ACEI ANNUAL REVIEW AND DIRECTORY OF MEMBERS 2026

ACEI ASSOCIATION OF CONSULTING ENGINEERS OF IRELAND

ANNUAL REVIEW and DIRECTORY OF MEMBERS

2026

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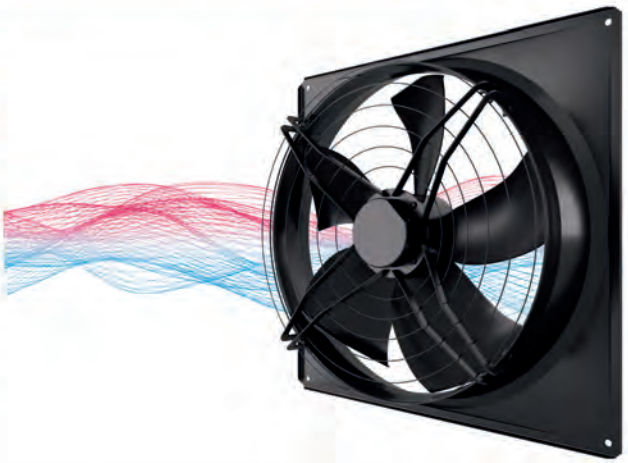

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ACEI Annual Review and Directory of Members **2026**

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MESSAGE FROM DIRECTOR GENERAL

The Association of Consulting Engineers of Ireland (ACEI) exists because of the strength, professionalism, and commitment of its members. The firms represented in this directory are the vital backbone of Ireland's consulting engineering sector. Every day they bring expertise, judgement, and integrity to projects that shape our built and natural environment, support economic growth, and improve the quality of life for communities across the country.

Consulting engineers play a uniquely important role in society. Our members design and advise on the infrastructure that keeps the country moving — from transport networks and water systems to energy infrastructure, buildings, and climate resilience. Behind each project is a commitment to technical excellence, rigorous standards, and the highest levels of professional responsibility. The firms listed in this directory exemplify that commitment to quality, delivering innovative and sustainable solutions for both public and private sector clients.

ACEI is proud to represent this community of professionals. Our role is to support our members, to advocate on their behalf, and to ensure that the consulting engineering sector can continue to deliver the expertise Ireland needs. That advocacy is particularly important at a time when the scale of national ambition — in housing, infrastructure delivery, energy transition, and climate adaptation — requires strong and capable engineering capacity.

On behalf of our members, ACEI continues to lead a number of important campaigns focused on strengthening the sector and enabling better project delivery. These include advocating for procurement practices that recognise quality and expertise, addressing professional indemnity insurance challenges that affect consulting engineers, promoting sustainable infrastructure delivery, and ensuring that the consulting engineering profession remains attractive to the next generation of talent.

We are also working closely with government, public bodies, and industry partners to improve how projects are planned, designed, and delivered — ensuring that Ireland benefits from the full value of engineering expertise from the earliest stages of development.

This directory reflects the depth, diversity, and capability of the consulting engineering firms operating in Ireland today. It is both a resource for clients seeking trusted professional expertise and a testament to the collective strength of the ACEI membership.

I would like to thank our members for their continued engagement with the Association and for the exceptional leadership they show across the industry. Together, we are working to ensure that consulting engineers remain central to building a more resilient, sustainable, and prosperous Ireland.

Shane Dempsey
Director General
Association of Consulting Engineers of Ireland (ACEI)

FOREWORD

As current Association of Consulting Engineers of Ireland (ACEI) president, I am delighted to present our Annual Report 2025/2026. The purpose of the annual report is to capture and celebrate the outstanding work carried out by the ACEI and its member firms throughout the year and I hope this report achieves that objective.

In my view, we are a very unique profession and the positive impact of our work throughout society and the wider world is truly immense. It is fair to say the challenges facing our world are also immense and I am adamant this is our time as consulting engineers to *"carpe diem"* or in the words of William Shakespeare:

"There is a tide in the affairs of men,
Which taken at the flood, leads on to fortune.
Omitted, all the voyage of their life is bound in shallows and in miseries.
On such a full sea are we now afloat.
And we must take the current when it serves, or lose our ventures".

Climate change, more extreme weather events and rising flood levels, all arguably represent one of the greatest current threats to humankind, raising the question: how do we ensure our planet remains habitable? The realisation that this needs to be tackled has slowly dawned over recent decades. Governments and decision makers throughout the developed world are recognising that while these challenges do not fit within normal electoral cycles, they can no longer be ignored (sadly with the odd current high profile notable exception). And when the questions are asked about what professionals are required to lead the tackling of this immense challenge, engineering and consulting engineers quickly come to the fore of the discussion. Quite simply we are the professionals with the skills, knowledge and expertise to understand the impacts of the climate change challenge, and most importantly, we are the profession that can design solutions. If that doesn't put us on a direct turbo-charged path to the top of the professional services food chain, then nothing will. The 'Century of the Consulting Engineer' undoubtedly needs to dawn.

At the front end of dealing with the climate change challenge, we are the profession with the design skills to decarbonise our production and energy systems. From specifying low carbon materials, to designing circular economy compatible materials, to enabling the realisation of renewable energy sources e.g wind and wave energy. We do it all.

At the back end, recent weather events exposed regions of our country devastated by the impact of flooding. But we also saw communities, which had previously been devastated by flooding, remain unimpacted by the latest events. How was this possible? Because consulting engineers had designed flood relief schemes, which literally *'held back the tide'*. Yes that is what us consulting engineers can do, we can design resilient infrastructure to *'hold back the tide'*.

And of course the other critical areas where our engineering skills are required typically include the word *'crisis'* in them, for example, housing crisis, infrastructure crisis, energy crisis, water crisis…. All crises need able protagonists to rise up to meet their challenges. And quite simply, that is us, consulting engineers. Our time clearly is now!

During my time as ACEI president, I have strongly advocated that we need to position ourselves as a profession to ensure we can maximise the positive impacts of our skills for the betterment of our societies and humankind as a whole. We can only do this as a harmonised profession, who truly understand and value ourselves and the work we do. Once we achieve that, we need to project that value onto wider society, so we can inspire and reward the current consulting engineering community, as well as attract the best people into consulting engineering in the future, so all can play their parts in addressing such crises.

My considered view is that the community of consulting engineers needs to elevate itself to a new level. We need to support each other, share knowledge with each other and speak with one voice like never before. We need to realise that it is only by working closely together and acting with one voice that we can truly elevate our message: consulting engineers and the work we do is critical to the future habitability of our planet.

Secondly, as the work of consulting engineers is carried out almost exclusively by private sector businesses, we must have best-in-class businesses. I believe continual upskilling of our business skills is essential, if we are to have the type of impact our world demands of us. Simply put, we need four wheel drive businesses to propel us up the ascents demanded of us.

And thirdly, we need to raise our current profile in political circles so that we can influence, influence and influence some more. Our knowledge and understanding of how to deal with the crises outlined is too important to be delivered to the higher echelons of government in any sort of Chinese whispers format. We need to deliver these messages directly with no middle men/women involved. Indeed, I believe we need to get consulting engineers into ministerial positions, such is the need for our skills. We can no longer sit back and allow others do this for us. Our voice is too important and the scale of threat to our society is too great.

Finally, I hope you all enjoy this publication and its celebration of our most recent work as consulting engineers. I am very excited for the years ahead, as the quality and importance of our work continues to grow. So let us all work together and grab the opportunity to make this the *'Century of the Consulting Engineer'*.

Tim Murnane
President, Association of Consulting Engineers of Ireland

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PRESIDENTIAL HANDOVER 2025-2026

Handover of chain of office from Anne Marie Conibear, ACEI President 2024-2025 to Tim Murnane, Managing Director, PUNCH Consulting Engineers

Tim Murnane BEng CEng FIEI FICE FConsEI EURING was elected ACEI President at the Association's AGM on the 11th April 2025 which was held at the Egis Road and Tunnel Operation Control Centre in Dublin. Tim has served as a member of the executive board since 2020 and was first vice-president in 2024.

Tim Murnane graduated from Queen's University Belfast with a first class honours degree in civil engineering. He then moved to London where he worked for Ove Arup Partnership on the design of a range of heavy civil engineering railway structures in South East Asia as well as the Channel Tunnel Rail Link in the UK. Tim also worked on-site in London for British construction company Kier Group as part of his training programme with the Institution of Civil Engineers UK.

He joined PUNCH Consulting Engineers as a design engineer in 2001 and was promoted to the role of regional director in 2005. In 2009 Tim established Murnane & Partners Consulting Engineers. Following its strategic merger with PUNCH in 2014, he became a director and was subsequently appointed managing director in 2017.

In April 2025, Tim was elected president of the Association of Consulting Engineers of Ireland (ACEI), having served as an executive member since 2020. As president, he has sought to elevate the status of consulting engineering and highlight the critical value the profession delivers.

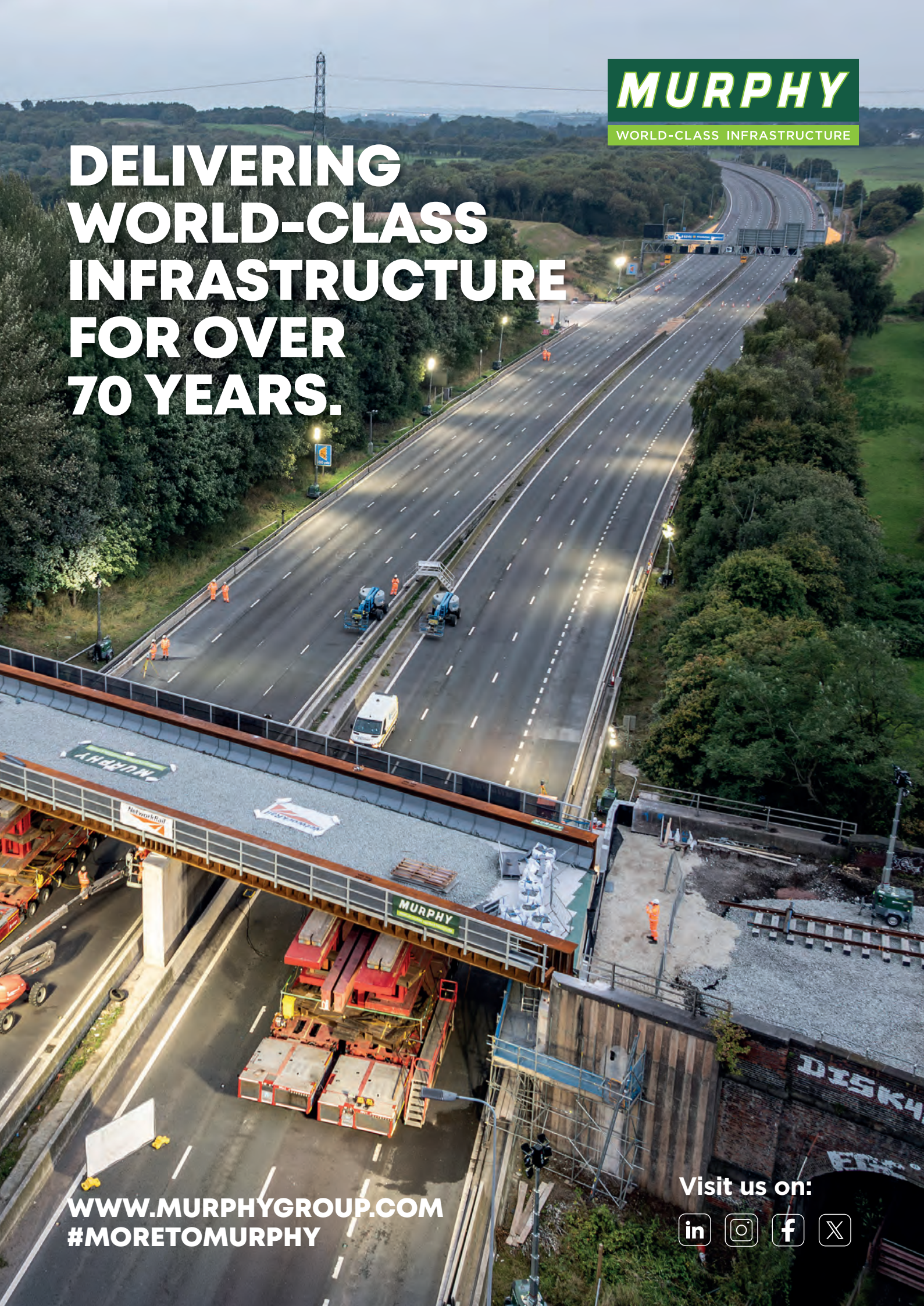
In his inaugural speech, Tim outlined two imperatives for the ACEI and consulting engineering sector during his presidential term. "We must strengthen the community of consulting engineers and place a renewed focus on the business of consulting engineering. If we do these two things well, we will build a stronger, more sustainable, and impactful sector."

Calling for greater unity and engagement, Tim has issued a "call to arms" to all Irish consulting engineering firms: "We want to ensure all consulting engineering firms in Ireland are members of the ACEI. We are working collectively to shape the environment for members, particularly in relation to a fairer contractual environment. There are too many situations where unfair contractual conditions are being foisted on members with inappropriate transfer of risk that consulting engineers cannot mitigate. This leads to delays and budget overruns and benefits no-one. The ACEI is also working at a national level to influence procurement policy to have net contribution clauses introduced into public sector contracts. We are also engaging individual client organisations on behalf of members to ensure fairer contracts for everyone involved in the delivery of housing, for example. We need all consulting engineers to "pull on the county jersey" and make themselves familiar with the ACEI's standard conditions of engagement/collateral warranty and to use them when engaging with clients. We need to work together on this critical issue, so we have the capacity to deliver on essential housing and infrastructure projects on behalf of the State in the coming decade."

Tim also urged sector leaders to invest in the business skills of the next generation of consulting engineers. ACEI provides learning and development interventions, including leadership and graduate programmes by industry leaders.

"We, as a sector, deliver a vital component of every hospital, house, road, railway, data centre, and school that is built in every community in Ireland. We must work harder so our clients, policy makers and the public understand more fully the value of our sector and its work."

PUNCH consulting engineers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2017	Tony Horan
2018	Ciarán Kennedy
2019	Gerry Carty
2020	Conor McCarthy
2021	David McHugh
2022	Brian Kavanagh
2023	James Kavanagh
2024	Anne Marie Conibear
2025	Tim Murnane

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ACEI CONFERENCE 5TH JUNE 2025

Quantum Leap: Accelerating Ireland's infrastructure and housing delivery sustainably

The ACEI's annual conference was held on 5th June 2025 in the Alex Hotel. The conference theme was 'Quantum Leap: Accelerating Ireland's infrastructure and housing delivery sustainably'. Expert speakers from leading organisations provided thought provoking presentations which generated lively discussions.

Working Breakfast

Ministerial Address: Minister Jack Chambers

Minister Chambers outlined the Government's initiatives underpinning the National Development Plan, whilst providing an overview of the sector globally. MC, Ingrid Miley, former industry and employment correspondent for *RTE News*, a qualified barrister, broadcaster and media consultant, expertly engaged the audience.

Keynote Address: John Moran, Mayor of Limerick

John Moran is Ireland's first directly elected mayor. He has worked on all sides of the public/private policy spectrum and has unparalleled experience and insight into how things do and don't get done in Ireland.

Gerard Howlin, well-known public affairs consultant and *Irish Times* columnist gave his view of the political situation in the run up to the next election as participants enjoyed lunch.

ACEI gratefully acknowledges the support of conference sponsors Griffiths & Armour, Panasonic, Executive Benefits Limited, Watershare, EDI Charter, Leyton and Eagle Force.

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ACEI OVERVIEW

Adare Manor Hotel, Co Limerick © PUNCH

HISTORY

The Association of Consulting Engineers of Ireland (ACEI) is the representative body in Ireland of those professional engineering companies that offer their skills and experience in all branches of engineering to clients requiring independent engineering advice and judgement. The Association was founded in 1938. Virtually all of the significant independent consulting engineering firms in the Republic of Ireland, who qualify for membership, are represented in the Association.

OBJECTIVES

The objectives of the Association are to encourage the practice of engineering as a profession, promote ethical principles and procedures, advance the interests of all engineers in all branches of the profession but particularly those of consulting engineers, to increase the usefulness of the profession to the general public, and to safeguard the trust reposed in its members by clients.

ETHICS

A member may not be directly or indirectly involved in any business enterprises which would lead to conflicts of interests and the Association's Executive Board monitors the activities of its members to ensure that ethical standards are maintained at all times.

PROFESSIONAL CODE

Central to the philosophy of the Association has always been that professional fees paid by clients are the member's only remuneration from the projects undertaken. This freedom from conflict of interest is meant to assure objective, unbiased advice from consulting engineering enterprises. As part of its concern for quality of service the Association promotes quality-based selection as the most appropriate procedure for the appointment of consulting engineers and the settlement of their fees.

For procedures recommended by the Association for reaching agreement on fees see Selecting a Consulting Engineer pages 100-106.

ENGINEERING DISCIPLINES

ACEI member firms offer design and supervision services in all the main engineering disciplines including civil, structural, mechanical and electrical services, fire and process engineering.

Most firms tend to specialise in one or other of the major branches of project engineering but some cover a number of such specialities.

Some member firms are capable of providing additional professional services such as quantity surveying and architecture as optional in-house facilities but these services may also be provided in association with other independent firms recognised in their own field.

ACTIVITIES OF THE ASSOCIATION

The ACEI negotiates with various public and private client bodies on behalf of its members on important issues such as quality-based selection of consulting engineers, professional liability, health and safety etc.

The ACEI is consulted on a regular basis by government departments to present the views of the profession in relation to forthcoming legislation.

ACEI also makes representations to public and private sector client bodies in relation to business practice procedures in the appointment of consulting engineers.

THE ACEI

- Publishes model Conditions of Engagement, suitable for presentation to clients and advises members on terms of conditions of engagements and related contractual issues including collateral warranties.
- Arranges regular seminars on best practice issues relevant to the profession and publishes advice notes to members on a range of business issues.
- Maintains a database of its members, and makes this information available to clients on its website.
- Assists clients seeking suitable consultants for specific projects by nominating a selection of firms whose experience and geographical location best meets their requirements.
- Publishes a directory of members every year, which is circulated widely to client organisations to assist them in selecting a consulting engineering enterprise. Selecting a consultant is one of the most important decisions an owner or client makes. The success of any project often depends upon obtaining the most able, experienced and reputable expertise available.

The National Forensic Mental Health Service Hospital, Dublin 1 © PUNCH

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ACEI AFFILIATIONS

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LOCAL AFFILIATIONS

The Association is a member of a number of important ad-hoc external bodies and actively participates in their work.

The most significant of these are:

CONSTRUCTION INDUSTRY COUNCIL (CIC)

The Construction Industry Council is comprised of representatives (usually president and CEO), of the six largest built environment-related bodies operating in Ireland, including the Association of Consulting Engineers of Ireland (ACEI), Engineers Ireland, the Construction Industry Federation (CIF), the Royal Institute of the Architects of Ireland (RIAI), the Society of Chartered Surveyors Ireland (SCSI) and the Building Materials Federation (BMF). The Council meets on a bi-monthly basis, and has regular meetings with other professional bodies, government and international stakeholders.

The overarching aims of the CIC are to deal with issues of common interest for the construction industry, and to act as the cohesive voice for the sector on high-level policy issues by engaging with stakeholders accordingly. The CIC complements the work of its member associations by undertaking strategic reports, engaging external expertise and providing a united voice on mutual areas of concern and interest.

CONSTRUCTION IT ALLIANCE (CitA)

CitA works to actively encourage the Irish construction sector to take full advantage of current and emerging information and communications technologies. The Alliance transmits the latest information on technology trends through monthly events and annual conferences with experts in key areas whilst providing networking opportunities with peers. CitA has robust links with the professional bodies and representative organisations of the built environment sector. These include ACEI, CIAT,

CIBSE, CIF, CIOB, Engineers Ireland, GMIT, ICES, IPFMA, IStructE, Law Society, LYIT, NDFA, OPW, RIAI, SCSI, as well as third-level academic institutions in Ireland.

OTHER INTERNAL COMMITTEES

In addition to the foregoing, ACEI is also a member of the following committees and participates in their activities:

- Construction Sector Group
- Irish Coalition of Service Industries
- Electrical Technical Council of Ireland
- Irish Inter Professional Association
- National Standards Authority Standing Committees

EUROPEAN & INTERNATIONAL AFFILIATIONS

ACEI is a member of the following overseas bodies.

EFCA

- Founded in 1992, EFCA (The European Federation of Engineering Consultancy Associations) is the only federation to represent the engineering consultancy industry in Europe. It comprises 31 member Associations from 28 European countries, representing over 10,000 firms, with more than one million employees in engineering and related services and annual turnovers in excess of €20 billion.
- Is a non-profit making and independent professional organisation committed to representing the profession in Europe and promoting engineering consultancy and related services.
- Represents the interests of the profession to the European institutions so that directives and regulations affecting the work of engineering consultancy and related services are fair to both the profession and society as a whole.
- Represents the interests of its members to lending agencies such as the World Bank and the European Bank for Reconstruction & Development, and to other international institutions.
- Requires all members to comply with its Code of Conduct governing the performance and quality of consulting engineering services.

In view of the importance of the EU in the Irish context ACEI has been actively involved in the work of EFCA since its inauguration. Individual members such as Donal Lynch and Jack Kavanagh have participated on EFCA task forces dealing with various EU directives i.e. health and safety, public procurement and related issues.

The ACEI Executive Director, Anne Potter, was also an EFCA Vice-President from 2000-2003, Kevin Rudden, ACEI Past President undertook the role of EFCA President 2017-2020 and assumed the role as a member of the EFCA Board of Directors 2021-2024 to complete the term of former ACEI Secretary General Sarah Ingle.

FIDIC

FIDIC (The International Federation of Consulting Engineers) represents the International business interests of firms belonging to national Member Associations of engineering-based consulting firms. The members of each national association comply with FIDIC's Code of Ethics which calls for impartial advice, competence and fair competition and endorse FIDIC's Policy Statements and Statutes.

Founded in 1913, FIDIC membership today numbers 100 Member Associations in different countries representing some 540,000 professional consulting engineers worldwide.

Membership of FIDIC is restricted to one Member Association per country and ACEI is the Irish member. However companies and organisations may join FIDIC as Affiliate or Sustaining Members if there is no national Member Association in their country.

FIDIC PUBLICATIONS

FIDIC publishes international contracts and agreements which are used by World Bank and other funding agencies. Given the rapidly changing marketplace and contractual relationships, i.e. Design Build (DB), Public Private Partnerships (PPP), Design Build Operate (DBO), etc. FIDIC has over the past few years revised its core suite of documents and developed additional contracts to meet the needs of the market. These are now being used by Irish public bodies including the Dept. of Environment, in relation to DB and PPP contracts.

ACEI is a strong supporter of FIDIC and given its relatively modest size, is quite active in the drafting of the various FIDIC contract and construction liability documents through the efforts of individual members including Dr Nael Bunni and Des Barry. The President and the Secretary General also participate in the FIDIC Annual Conference and General Assembly Meeting. Sarah Ingle, ACEI Secretary General, was a member of the FIDIC Advisory Council supporting the FIDIC Board during 2018-2020.

Over the years ACEI has developed excellent working relationships with a number of FIDIC Member Associations. ACEI is therefore able to obtain a rapid response to queries raised by members as well as facilitating networking opportunities or contacts for members in other countries.

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ACEI LEADERSHIP COURSE 2025

Tim Murnane, ACEI President, Managing Director, *PUNCH Consulting Engineers*

James Kavanagh, CEO, *Varming Consulting Engineers Ltd*

Sinéad Timoney, Managing Director, *Fehily Timoney & Company*

Kevin Rudden, CEO, *GARLAND*

Professor Finian Buckley, Professor of Work & Organisational Psychology DCU Business School

Graeme Tinney, CEO, *Griffiths & Armour*

Tara Cosgrove, Partner, *Beale & Co*

Killian Dorney, Partner, *Beale & Co*

Conall Boland, Senior Consultant, *RPS*

Cian Long, Associate, Bridges and Civil Structures, *Arup*

Joe Burns, Ireland Country Leader, *Arup*

Colm Saul, Director, *J.V. Tierney & Co. Consulting Engineers*

James Barrett, Financial Director, *O'Connor Sutton Cronin*

Over 60 participants completed the prestigious ACEI leadership programme in November 2025.

The three-day programme included 12 speakers – all leading experts and industry practitioners.

The programme focused on expanding the business skills of young consulting engineers with a view to improving their ability to 'get work, do work and get paid for the work'.

Completing the course is an important step in the career for consulting engineers; participants can now begin the process of securing RConsEI status within the ACEI. Those interested in progressing their careers, enhancing their skills and commanding more value in the market, should check the ACEI website for more information.

Every year, the ACEI hosts best-in-class learning and development programmes in addition to skills-based and information events and webinars.

If you're interested in developing your skills and getting involved in the important work the ACEI does, please contact Shane on **shane.dempsey@acei.ie**

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ACEI ASSOCIATION OF CONSULTING ENGINEERS OF IRELAND

ACEI ENGINEERING EXCELLENCE AWARDS 2025

ACEI PROJECT AWARDS 2025

The ACEI Engineering Excellence Awards were presented by Anne Marie Conibear, ACEI President 2024-2025 at the annual awards dinner in the InterContinental Hotel on 28th March

Engineering Excellence Awards

To stimulate excellence and innovation among ACEI members the annual Engineering Excellence Awards are presented for completed projects. These awards are conferred on ACEI member firms whose project is considered by the adjudicators as the best of those nominated in each category.

The awards this year demonstrate the commitment of ACEI member firms to pursuing projects that will benefit communities and the environment. It is also important that all projects are well planned and designed to address resilience, long-term sustainability and societal impacts in line with the association's sustainability vision and commitment to climate action.

Sincere thanks are extended by ACEI to adjudicators Richard Crowe, ACEI President 2016; Joan O'Connor, and John Purcell, adjudicator of the 2025 Derrick Edge Future Leader Award.

Winner – Project of the Year

Fehily Timoney and Company for the **Dunkettle Interchange Upgrade Scheme**

Winner – 2025 Project of the Year

Trevor Byrne, Associate Director, Fehily Timoney; Tom Meagher, Clandillon Civil Consulting; Sinéad Timoney, Managing Director, Fehily Timoney; Tom Clayton, Associate Director, Fehily Timoney; Richard Bowen, Roads Portfolio Manager at Transport Infrastructure Ireland; Alan Brown, Associate Director, Fehily Timoney; Seamus O'Brien, Pre-Construction Manager at John Sisk & Son Ltd and Jim Hughes, Director, Fehily Timoney on behalf of the DKIUS team accept the award for **Dunkettle Interchange Upgrade Scheme** from Anne Marie Conibear, ACEI President

Winner – Civil / Small-Medium Category

Thomas Crowe, Barry Dorgan, Noel Moran, Douglas Courtney, Clifton Scannell Emerson Associates Consulting Engineers accept the award for **Snugborough Interchange Upgrade Scheme**

Winner – Civil / Large Category

Trevor McArdle, Clonmel Enterprises; Daire Ó Riagáin, Roughan & O'Donovan; Eoin Ó Catháin, ROD; Victor Coe, Dublin City Council; Joseph Mernagh, Dublin City Council and Colm Gogan, ROD accept the award for **Clontarf to City Centre Project**

Winner – Structural / Small-Medium Category

Cora Sutton, Cronin & Sutton Consulting accept the award for **9-12 Dawson Street**

Winner – Structural / Large Category

Robert Coughlan, Tim Murnane, Paul Casey, PUNCH Consulting Engineers and Pat Linders, client, accept the award for **The Distillers Building**

Joint Winner – Mechanical & Electrical Category

Conor Clarke, OPW; Neil McCormick, MCA Architects; Alan Nolan, Varming Consulting Engineers; Jonathan Swanton, Varming Consulting Engineers; James Kavanagh, Varming Consulting Engineers Ltd accept the award for **Block J, Garda HQ**

Winner – Sustainability / Built Environment Small-Medium Category

John O'Regan, Brían Buckley and Dave Fleming, RPS accept the award for **Uisce Éireann National Waterway**

Winner – Sustainability / Built Environment Large Category

Stephen Walsh, Zuzana Sandorova and David Moran, J.V. Tierney & Company Limited accept the award for **DCU Polaris**

Winner – Sustainability / Natural Environment Category

Elaine Shields, Ryan Hanley and Conor Warner, Ryan Hanley in partnership with Stantec accept the award for **Kilkenny Regional Water Supply Scheme Upgrade**

Winner – Project Management Category

Thomas Nolan, Associate, Donnachadh O'Brien, Managing Director and Richard Kiernan, Associate Director, Donnachadh O'Brien & Associates accept the award for **St Conleth's Park Redevelopment**

Winner – Overseas Category

Alasdair Henderson, BAM UK & Ireland, Tony Dempsey, Roughan & O'Donovan; Jonny Kerr, Farrans and Aonghus O'Keeffe, ROD accept the award for **Herring Bridge, Great Yarmouth, UK**

Winner – Innovation Category

Colm Gogan, Roughan & O'Donovan; Eoin Ó Catháin, ROD; and Daire Ó Riagáin, ROD accept the award for **Clontarf to city Centre Project**

ACEI President's Award

This award recognises the contribution of an engineer through their leadership and life-long contribution to the engineering profession.

This year's recipient of the ACEI President's Award is Kevin Rudden, CEO, GARLAND, who was presented with the award for his outstanding contribution to, and support of, the consulting engineering profession both in Ireland and Overseas.

Anne Marie Conibear presents the 2025 ACEI President's Award to Kevin Rudden, CEO, GARLAND

Sharon Rudden, Anne Marie Conibear and Kevin Rudden

ACEI ENGINEERING EXCELLENCE AWARDS: 2025 PROJECT OF THE YEAR

WINNER PROJECT OF THE YEAR: FEHILY TIMONEY AND COMPANY – DUNKETTLE INTERCHANGE UPGRADE SCHEME

Drone photograph of completed scheme looking west

The Dunkettle Interchange Upgrade Scheme project is located at the intersection of the M8, N25 and N40 directly to the north of the Jack Lynch Tunnel. The interchange caters for over 100,000 vehicles per day. The site is constrained by intertidal mudflats, residential areas, a railway line and commercial properties. The scheme required the reconfiguration of the existing interchange to a free flow interchange, comprising 10km link roads, one grade separated junction, four roundabouts and local link roads, 52 structures, active travel facilities, environmental and landscaping works. The project budget was €215 million and was completed in February 2024.

John Sisk and Son Holdings Ltd and Fehily Timoney and Company were awarded the design and build contract for the Dunkettle Interchange Upgrade Scheme by Transport Infrastructure Ireland. Fehily Timoney and Company was lead consultant supported by a number of subconsultants including Clandillon Civil Consulting and Ramboll UK.

The services included the design, site supervision in the role of Design Site Representative (DSR) and the role of PSDP for the following elements:

- 16km of new roads linking local roads and the M8, N40 and N25;
- One grade separated junction arrangement at the existing N25;
- Four roundabouts and local link roads;
- 52 structures, including nine road bridges, three bridges over rail, eight retaining walls, 16 gantry structures, eight VMS gantry structures and other minor structures;
- Earthworks and foundations including over 9,600 control modulus columns, reinforced soil embankments and steepened slopes, 4,400 prefabricated vertical drains, excavate and replace and piled embankments;
- Drainage networks, culverts, oil interceptors and ponds;
- Kerbs, footways, paved areas, traffic signs, lines and markings, pavement and VRS;
- Pedestrian and cycle paths and crossings;
- Utility diversions and protection including the diversion of 900mm and 600mm Irish Water transmission mains and the protection of GNI gas transmission mains;
- ITS civil and structural design and telecommunications ducts;
- Environmental design including ecology surveys, translocation of rare plants, bespoke screening, mammal underpasses and noise, dust and vibration monitoring;
- Landscape design.

A BIM execution plan and 3D model was developed to coordinate the design and complete clash detection. The works were supervised by a full-time on-site DSR team, ensuring the works were witnessed, inspected and built in accordance with the design. FT completed the role of PSDP, liaising with the PSCS, ensuring any residual design risks were communicated and temporary works were coordinated with the permanent works and certified.

The Dunkettle Interchange Upgrade Scheme is one of the largest and most complex civil infrastructure projects completed in Ireland in recent years. The project had significant challenges to overcome, including live traffic with over 100,000 vehicle movements per day, environmental constraints and associated seasonal work restrictions, adjacent industries with strict noise, dust and vibration limits, a live rail line running through the site, diversion and protection of water and gas transmission mains, and complex geotechnical conditions with extensive areas of soft and made ground in a very constrained site. Significant temporary works and traffic management were required at the interfaces between existing and new works and complex traffic phasing was implemented to minimise disruption to traffic.

The Works Requirements contained strict settlement criteria for earthworks and structures. Innovative and sustainable approaches to ground treatments were employed including the use of 9,600 Control Modulus Columns - a first in Ireland, reinforced soil embankments and steepened slopes, 4,400 prefabricated vertical drains, excavate and replace and piled embankments. These innovative approaches led to significant cost reductions and a reduction of 4M kgCO2e per 250m length of embankment. Utilising Preliminary Static Load Tests to design structural piling resulted in a reduction of 4 linear km of CFA piling. Use of Article 27 materials and airport runway planings also significantly reduced the carbon footprint.

The project was completed using BIM Level 2 to enable design coordination, clash detection and work planning – one of the first infrastructure projects in Ireland to do so. Throughout we adopted a partnering approach, working collaboratively with all parties to successfully manage the challenges. The project was successfully completed, safely, on budget and on programme and has significantly reduced traffic queues in the area.

“We are very, very proud of what we have delivered here,” said Val Fox, Project Director, Sisk.

DESIGN ELEMENTS AND COMPLEXITY

The Dunkettle Interchange project had a high degree of design complexity. Some specific complex design elements included;

Alignment

The team made changes to the horizontal and vertical alignments of the over 10kms of roads, using more than 100 departures from standards and designing in urban standards (DMURS) to improve buildability and achieve a reduction in fill of 150,000m^3. Complex construction phasing and temporary works minimised the disruption to traffic through the interchange.

Ground Engineering

A project technical working group selected ground improvement options based on the proposed alignment, programme and ground conditions, in order to meet strict settlement criteria. A decision tree was used to apply the improvements across the scheme including excavate and replace, staged construction with Prefabricated Vertical Drains, Control Modulus Columns with 70-degrees reinforced soil embankment slopes and piled embankments.

Drone photograph of completed scheme looking east

Irish Rail ST08

The superstructure was designed as two fully-integral structures, allowing the existing M8 traffic to be diverted onto the eastern structure earlier. The east superstructure, two-height H4A parapets gave full protection to the railway at all stages. A single line of CFA piles supporting insitu columns removed the need for excavations adjacent to the track support zone.

Pavement

An analytical pavement assessment design ensured that 90% of the N25 pavement was integrated into the main works, with planings being reused for cycleways and footways.

Utilities

Utility diversions included 600mm and 900mm diameter water mains, requiring piled embankments and partial construction of the Bridge Structure 4 abutment, diverting the watermain through and under the abutment, using a temporary caisson structure to support the adjacent carriageway during construction.

DESIGN PROCEDURES

The constrained space available within the site meant that all design disciplines had to be fully coordinated at an early stage. This was achieved using 3D BIM modelling, federated Navisworks models, monthly clash detection and pre-construction visualisation videos.

SUSTAINABILITY AND INNOVATION

Innovative ground treatment design approaches led to a reduction of 4M kgCO2e per 250m length of embankment. Utilising Preliminary Static Load Tests to design structural piling resulted in a reduction of 4 linear km of CFA piling. Use of Article 27 materials and airport runway planings significantly reduced the carbon footprint. Translocation of rare species and seasonal work restrictions minimised the impact on local ecology.

SITE SUPERVISION

A full-time Design Site Representative supervision team was on site at all times attending design meetings, witnessing and inspecting work, closing out RFIs and NCRs and working with the contractor collaboratively to solve problems as they arose.

HEALTH AND SAFETY

The project was constructed during the Covid 19 pandemic. Safeguarding the safety of the workforce, the public and everyone involved was a top priority at all times. At substantial completion, the project team had inducted 2,547 people and over one million man hours were recorded with an excellent safety record throughout.

PROJECT MANAGEMENT AND PROJECT CONTROLS

Critical to the project delivery was fully coordinated design and construction programmes, the Project Collaboration Portal and weekly design team and contractor meetings to track and address issues quickly.

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ACEI ENGINEERING EXCELLENCE AWARDS: CIVIL LARGE AND INNOVATION

WINNER: ROUGHAN & O'DONOVAN – CLONTARF TO CITY CENTRE PROJECT

The Clontarf to City Centre Project has reimagined the urban realm and transportation network between Alfie Byrne Road and Connolly Station, improving accessibility between the Clontarf area and Dublin City Centre and delivering significant upgrades to cycle, bus and pedestrian facilities along its 2.7km route corridor.

In addition to enhancing the communities it runs through, the scheme is positively contributing to the city as a whole by connecting the Royal Canal Greenway to the East Coast Trail and part of the Tolka Estuary Greenway and providing a continuous, segregated walking and cycling route from Howth to the city centre.

ROD was engaged in November 2017 to progress the detailed design of the project following the completion of an initial preliminary design undertaken by others. Dublin City Council imposed strict conditions to the planning approval that required extensive revisions to the preliminary design to provide a safe, segregated environment for cyclists.Therefore, before we could progress the detailed design, we were asked to prepare a revised preliminary design that would better achieve the scheme objectives and satisfy the conditions attached to the planning approval. The resultant layout for continuous footpaths across side-road junctions, fully segregated cycle tracks, island bus stops and protected signalised intersections was the first such layout designed in Ireland.

After the final preliminary design was agreed and advertised, ROD prepared the detailed design and contract documentation for tender. The detailed design required consultation and coordination with 40 separate departments within Dublin City Council (DCC), as well as numerous external stakeholders, including the funding agency, i.e. the National Transport Authority (NTA), and various utilities and services providers.

The project encourages a more connected, efficient and sustainable city for residents, commuters and visitors

A map providing an overview of the project extents

The scheme required extensive road and footpath reconstruction to provide a long-term, robust thoroughfare for pedestrians, cyclists, buses and heavy goods traffic. During construction, it was the largest, single watermains rehabilitation project underway in Ireland and the most ambitious roadworks SuDS project undertaken in Dublin to date. ROD's design included 6.5km of new watermains; enhancements to the surface water drainage network; and SuDS measures, including bioretention areas and swales. Detailed design work was finalised in 2020.

The 2.7km scheme features cumulatively 8km of upgraded pedestrian walkways, 6.8km of new and upgraded cycle lanes, 5.4km of upgraded bus lanes, nine junction upgrades, 14 upgraded bus stops, eight community plazas, substantial greening measures and SuDS measures to mitigate flooding. It required extensive utility and services upgrades, diversions and road reconstruction. The project includes 500m of greenway along the River Tolka, re-establishing the long-closed link under the railway bridge and connecting it to Dublin Port's Tolka Estuary Greenway.

The project has:

- **significantly improved the pedestrian environment** along the route through the delivery of continuous footpaths (including across side roads) and substantial public realm and environmental enhancements;
- **made the city safer for cycling** through the delivery of high quality, continuous and consistent cycling facilities;
- **improved public transport provision** and bus journey time and reliability by reshaping bus infrastructure and priority arrangements;
- **improved utility services reliability** by replacing approximately 6.5km of 100-year-old, large watermain pipes and multiple other underground services through a highly complex, congested environment; and
- **introduced SuDS and bioretention areas** to mitigate flooding and build climate resilience.

ROD administered the suitability assessment and tender processes and supported DCC through the assessment processes. A preferred contractor, Clonmel Enterprises Ltd, was recommended to DCC. The award of tender was based on 70% quality and 30% price, a first for an urban improvement scheme in Ireland. The contract date was 28th March 2022.

ROD administered the construction contract (traditional employer-designed contract using Public Works Contract CF3 for Civil Engineering Works designed by the Employer); provided site supervision and design support throughout construction; and undertook the role of PSDP. ROD was responsible for all appraisal documentation for the scheme, receiving support from AECOM during the preparation of the detailed business case.

Construction commenced in March 2022. The official opening was held on 28th November 2024, following certification of substantial completion on 9th October 2024.

Extensive road and footpath reconstruction was required

Image showing continuous footpaths across side roads

CHALLENGES AND SOLUTIONS

Challenge 1: Design standards

The scheme design predated the NTA Cycle Design Manual (2023) and included features not contemplated in the earlier National Cycle Manual (2011). We devised new layout standards to achieve the scheme objectives, securing client agreement and completing the road safety and user audit process for the design in late 2019.

The scheme included many innovations in terms of planting. In consultation with DCC's Parks Department, we devised tree pit and bioretention areas as well as vacuum excavation and honeycomb-reinforced pavement structures to protect existing tree roots.

We designed continuous footpaths across side roads, prioritising pedestrians at the top of the modal hierarchy, and reorganised the bus stops along the route, locating them at more regular intervals and where there was sufficient cross-sectional width to provide cycling bypasses behind the stops.

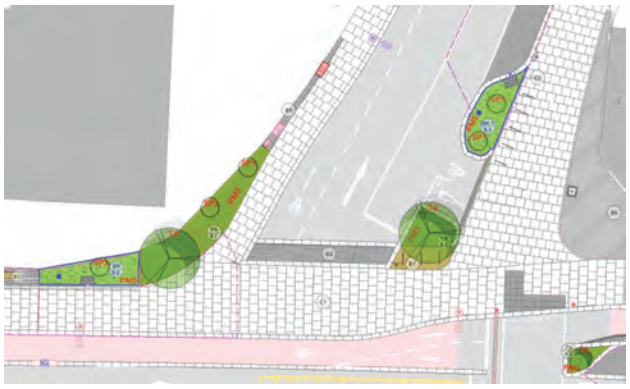
Challenge 2: Consultation and cooperation

The design and construction were delivered in partnership with the client project team and involved consultation with 40 departments within DCC and various stakeholders, including utilities and services providers. At the peak, over 150 personnel were employed on site at any given time.

Proactive change management and regular meetings - at all levels - ensured positive relationships were maintained and cost over-runs and delays were anticipated and managed. Co-located site teams and the designers' regular attendance on-site supported these relationships. Engagement with local residents and businesses was facilitated through a consultative forum that included elected representatives and An Garda Síochána. The forum met at three-month intervals to discuss progress, issues and the programme.

Challenge 3: Traffic management

The requirement to maintain three of the four bus/traffic lanes along the route throughout construction added an additional layer of complexity to the project, particularly given the underground environment, which required the replacement of century-old watermains; construction of a new drainage regime featuring circa 2.5km of surface water pipes; and provision of a 26km network of ducting for traffic, public lighting and ESB. An initial 3D model of the underground environment was prepared, and this was extended and updated throughout construction to create a full asset management record for the road – representing a new standard for BIM in urban roadworks in Ireland.



Drawing showing tree pits and bioretention area

SuDS bioretention area

DESIGN FEATURES

Our approach to the detailed design was interdisciplinary, and our team included ecologists, environmental scientists, landscape architects CSR Land Planning and Design and M&E specialists Kevin Cleary & Associates for public lighting. Given the importance of the route for multiple modes of transport, our designers were eager to provide robust and resilient infrastructure that would not need to be dug up for future repairs. We proposed a 'do-maximum' approach that included:

- **reconstructing bus lanes** to provide the optimal level of service for BusConnects, the NTA's network reconfiguration programme;
- **upgrading and repaving road and footpath pavements** to provide a robust thoroughfare for pedestrians, cyclists, buses and heavy goods traffic; and
- **upgrades to utilities and services**, including 26km of ducting for communications, lighting and power.

Drawing on our experience of international best practice, we proposed several innovations, including:

- **introducing continuous footpaths** across minor road junctions, conferring full priority to pedestrians over traffic and significantly enhancing accessibility and inclusivity;
- **introducing segregated cycle tracks** through protected intersections and bus stops;
- **maximising the use of SuDS**, including drainage to bioretention areas, where appropriate;
- **protecting mature trees** during underground works by using vacuum excavation and special construction techniques;
- **conserving the historic fabric of the route**, including realigning historic railings and walls to suit the enhanced scheme alignment; and
- **using kerb gullies** in place of road gullies to provide a better ride quality for buses.

The multidisciplinary design team devised the streetscape, integrating eight community plazas, over 100 trees, 50 new planted areas, and over 4,600 shrubs and hedges. Under the public realm enhancements, over 8km of continuous, segregated pedestrian walkways were upgraded to improve safety and accessibility for all pedestrians.

Image showing the upgrading and repaving of road and footpath pavements

Image showing existing and proposed utilities works

Image showing improved bus lane infrastructure

The scheme is encouraging a modal shift to active travel and public transport use

SUSTAINABILITY

The scheme is the centrepiece of the DCC Active Travel Network, a key initiative designed to support Dublin's growing need for greener transport through improved walking, wheeling, cycling and public transport facilities. In providing safe and attractive facilities for public transport users, cyclists and pedestrians, the scheme is encouraging a modal shift to active travel and public transport use, contributing to a reduction in transport emissions in line with the objectives of the Climate Action Plan.

To maximise the scheme's sustainability, we incorporated SuDS measures, new tree planting and over 280 public lighting columns with energy-efficient LED fittings into the new layouts.

IMPACT ON THE COMMUNITY

The project has transformed Dublin's north inner city from a place dominated by cars into a more liveable space, where children, the elderly and people with disabilities can enjoy freedom of movement through an enhanced public realm. It also connects the Royal Canal Greenway to the East Coast Trail and Tolka Estuary Greenway, providing a continuous, segregated walking and cycling route from Howth to the city centre and Dublin Port.

By providing safe and accessible pedestrian and cycle links from Marino to Fairview Park, the scheme is making the park accessible for all, with benefits in terms of improved social inclusion. Since its completion, bus usage, recreational and social cycling and walking having increased significantly, and it is particularly gratifying to see the substantial number of students now using the facilities to cycle to the four schools and colleges along the route.

The scheme included substantial investment in the Fairview Area, within and outside the park, with the entire road frontage repaved in high-quality paving materials, and considerable public realm enhancements for local businesses. This has all helped to improve the liveability of the village centre, and more businesses are now providing outdoor seating for customers, strengthening the area's urban fabric.

Students use the facilities to cycle to the schools and colleges along the route. Image courtesy of Dublin City Council

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ACEI ENGINEERING EXCELLENCE AWARDS: CIVIL – SMALL / MEDIUM

WINNERS: CLIFTON SCANNELL EMERSON ASSOCIATES – SNUGBOROUGH INTERCHANGE UPGRADE SCHEME

Snugborough Interchange Upgrade provides a second bridge over the N3

Snugborough Interchange Upgrade was a complex undertaking at the confluence of pedestrians, cyclists, public transport, traffic and utilities as they all cross the N3 and Tolka River between the Dublin Enterprise Zone, Blanchardstown Village and the Shopping Centre.

CSEA's design addressed network congestion issues, improved the operational efficiency of the interchange and included bus priority measures to support BusConnects, along with significant improvements for active travel users.

The project was essentially a multi-storey civil engineering project. There are three discrete levels: N3 Level, Tolka Valley & Underpass Level, and Local Road/Bridge Deck Level. Each with their own particular complexities.

Fingal County Council appointed CSEA to design and deliver the Snugborough Interchange Upgrade Scheme.

The main objectives of the Snugborough Interchange Upgrade project were to:

- Improve pedestrian and cyclist measures and increase junction safety;
- Improve public transport priority measures through interchange;
- Improve traffic capacity of interchange from all approaches, particularly the N3 off-ramp, to the greatest

extent possible; and
- Facilitate possible future upgrade of N3 to three lanes in each direction.

This project involved the design and construction of four main structures and numerous secondary structures including retaining walls, stairs and chambers. The key to the successful delivery of the project was the detailed consultations with key stakeholders such as TII, for the National Road infrastructure and Uisce Eireann for the diversion of multiple sewerage pipes, including the 1.2m diameter 9C trunk sewer, as well as 300mm and 500mm watermain diversions.

The site is extremely constrained, with little opportunity for repetition of design solutions. In a civil and structural engineering sense, it has been said that the project has a 'little bit of everything and not a lot of anything'.

KEY PROJECT PARTICULARS

- New N3 Bridge crossing. A 56m-long, two-span bridge with 1,165m^2 deck area;
- New pedestrian & cycle bridge over Tolka River Valley – 72m-long two-span bridge with 412m^2 deck area;
- A total of 44 precast bridge beams & 30 piles;
- Precast concrete portal frame underpass – open, airy and inviting;
- Precast concrete arched underpass with soffit mural by artist James Earley;
- 750 linear metres of new retaining wall;
- 775m of new bus lanes;
- 1,317m of grade separated cycle facilities;
- 480m of new on-road cycle lanes;
- 429m of new & upgraded shared paths in parkland areas;
- 20,000m^2 of finished road surface (new & resurfaced);
- Over 1,300m^3 of new attenuation storage and infiltration areas for surface water.

DELIVERING AT EVERY LEVEL

The success of a project of this nature and complexity depends on the skill and attitude brought to the table by the design and project management team, to deliver the client's vision in association with the main contractor. This partnership and willingness to collaborate was crucial to deliver a successful project. Overall, the design and construction of the Snugborough Interchange Upgrade Scheme achieved excellence in its execution.

Through on-going detailed consultations with the client, CSEA were able to guide the project to deliver a multitude of different things for different people.

Underpass with soffit mural by James Earley

1. At N3 Level the scheme had to minimise queuing on the busy off-ramp to ensure vehicles queuing don't tail back onto the N3. The new bridge structure had to allow for future widening of the N3 to three lanes in each direction while narrowly avoiding underground utilities. The 1.2m diameter 9C sewer had to be diverted but because of its existing gradient there were very limited options available where it could be diverted to and still get over the triple culverts that carry the Tolka River under the Snugborough Road embankment.

2. At Tolka Valley and underpass level the scheme provides a high-quality, greenway-standard shared pedestrian and cycle route that will form part of the proposed Tolka Valley Greenway. Short, open and airy underpasses replace a pre-existing, much longer, narrow underpass, thereby making the route attractive for all users. A specially commissioned high-quality artwork by James Earley decorates the underside of the arched underpass.

3. At local road/bridge deck level the scheme provides high quality pedestrian and cycle facilities at the busy interchange while also providing increased traffic capacity and bus priority for BusConnects.

The Snugborough Interchange Upgrade Scheme delivers benefits of the highest standards to active travel users, public transport users and general traffic.

WHAT LIES BENEATH

CSEA delivered all stages of the Snugborough Interchange Upgrade, from scoping through to handover, which included securing Part 8 planning approval. We gained buy-in and approval from major stakeholders such as fibre optic providers, ESBN, Uisce Éireann and TII.

New pedestrian and cycle underpasses providing a fully segregated option for active travel users

Road widening between Snugborough Interchange and Blanchardstown Centre

It was essential to accurately map the existing services that criss-cross the site at each of the different levels and correctly calculate the downstream tie-in for the 1.2m diameter 9C sewer diversion at a location 8m below existing ground, without survey of the tie-in point prior to commencing the diversion works. The existing network was extremely flat, leaving no spare gradient available. Design accuracy was vital to avoid numerous knock-on impacts during construction.

We don't know what delays and costs were avoided by the detailed investigations undertaken, but we know there would have been significant impacts to project delivery, with the potential to compromise project objectives.

INNOVATIVE DESIGN SOLUTIONS

A range of structure types were proposed in the project design, each responding to their own set of constraints such as utilities and available space, as well as aesthetic considerations.

For example, there are two underpasses which could have been identical structures. The Snugborough Road underpass had limited headroom and needed to maintain 38kV power lines in the road above, therefore precast concrete portal frames were used. To maintain traffic flow, it was constructed in two stages; the first half of the structure was built, the 38kV power lines and traffic diverted onto it before the second half could be installed.

The second underpass used precast concrete arched units, as it had ample headroom available. It also has a specially commissioned art installation on the ceiling by renowned Dublin artist James Earley. James' work draws inspiration from the surrounding nature.

At the underpass and Tolka Valley level, the aesthetics were of increased importance. Bespoke reinforced earth panels with stone facing and stone clad reinforced concrete walls were used to transition between concrete and the natural landscape. These features are complemented by the soft landscaping of low-level ground cover and specimen trees.

SUSTAINABILITY

A commendable feature of the construction was the contractor's commitment to use HVO (Hydrotreated Vegetable Oil) as a carbon-saving fuel source in the plant, as part of their strategy to decarbonise operations, and achieve net zero carbon targets by 2026.

Change Management was crucial to ensure both costs and scope were monitored closely. Where the contractor encountered difficulties, such as supply chain issues, CSEA engaged in an open manner to provide latitude for the contractor to progress the works either with alternative materials or a re-phasing of the works, while holding firm on the project goals.

HITTING THE BRIEF

The client's brief was delivered in full, with a high-quality scheme that will stand as a major milestone in the careers of all who worked on it. CSEA's design team was faced with a very difficult proposition which they met head on, delivering a project that may present itself as a few bridges and some road improvements but in reality holds many layers of intricacy beneath.

ACEI ENGINEERING EXCELLENCE AWARDS: STRUCTURAL – LARGE

WINNER: PUNCH CONSULTING ENGINEERS – THE DISTILLERS BUILDING

The completed Distillers Building

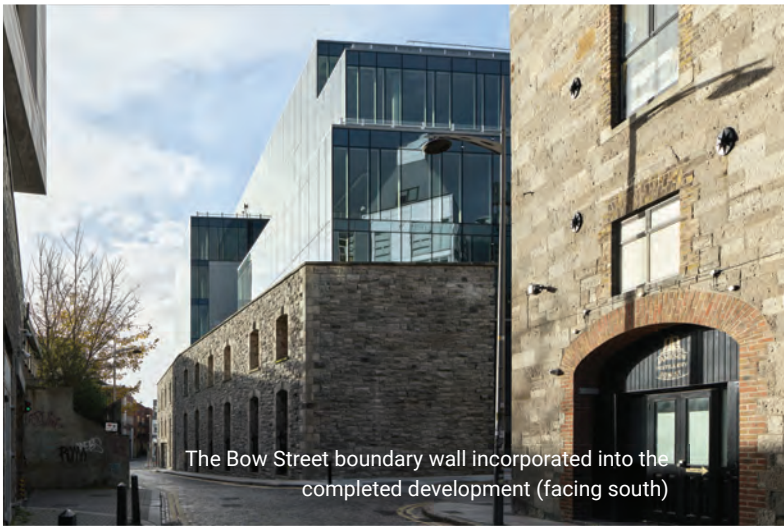
The Distillers Building redevelopment in Smithfield Dublin 7 is a contemporary restoration of an historical urban development fronting the Smithfield Plaza, which was lost in the 20th century when the previous buildings at the site were cleared for a smaller Distillers Building.

Extending to 20,512m^2 above ground, the project includes modern inspiring office and retail spaces, a striking atrium and double basement. The development respects its historical context by preserving the Bow Street boundary wall, while integrating contemporary innovative design elements. The immediate proximity to the Luas Red Line necessitated innovative engineering solutions. The project represents a model for heritage-sensitive urban regeneration in Dublin.

PUNCH provided civil and structural engineering plus PSDP services for the Distillers Building redevelopment, from preliminary design to construction completion. The basement design features a 1.2m-deep raft slab bearing on gravel strata ensuring stability, despite the high-water table influenced by the tidal River Liffey. This resulted in a highly economical substructure solution, which avoided internal piling. For groundwater control, Continuous Flight Augured (CFA) secant piled walls, approximately 20m deep, were constructed around the site. These piled walls were built immediately adjacent to the Luas tracks, requiring the use of tie-back anchors for stability.

The superstructure comprises in-situ reinforced concrete to podium level, transitioning to 250mm-thick post-tensioned concrete slabs from first floor to roof level.

The completed building from Smithfield Plaza facing east



The Bow Street boundary wall incorporated into the completed development (facing south)

Post-tensioning minimised material usage, reduced building weight and carbon footprint, and improved construction programme. Stability is achieved through diaphragm action via the concrete floor plates connecting to the main stability cores at the east and west of the building, extending into the basement raft slab. A local section of 1.5m-thick transfer slab is incorporated at ground floor to support lift cores on the north and south sides of the building, as these do not extend to basement.

Given the site's historical significance, PUNCH developed methodology to carefully dismantle, store, and reinstate the Bow Street cut limestone boundary wall. This approach ensured the preservation of the wall's cultural and architectural value, while integrating it seamlessly into the new building.

Due to the immediate proximity to the Luas tracks, PUNCH led negotiations with Transport Infrastructure Ireland (TII) securing approval for the construction approach and monitoring. PUNCH incorporated sustainable drainage systems, contributing to the project's LEED Gold certification.

CIVIL AND STRUCTURAL DESIGN APPROACH

PUNCH's commission exemplifies a blend of innovation, sustainable engineering practices, heritage/cultural preservation, and urban engineering expertise. This makes it a standout example of engineering excellence.

The project presented multiple challenges due to deep basement construction adjacent to the Luas Red Line and the requirement to preserve the historic Bow Street boundary wall. PUNCH's proactive engagement in contract negotiations with TII ensured full compliance with stringent vibration and safety protocols, enabling safe construction near the operational Luas tracks. PUNCH designed innovative methods of construction to shorten the project's programme, particularly at basement level to reduce the window where there was a heightened risk to the Luas tracks. The basement walls were poured double height, accelerating the construction process, and the lift cores were jump-formed, further facilitating a faster build. A raft foundation eliminated the need for internal piles. All this reflected PUNCH's commitment to optimising construction efficiency.

A key feature of the project is the central atrium design, which incorporates 3m cantilivered, post-tensioned slabs supported by long-span steel trusses. This solution not only provided a striking architectural focal point but also maintained structural integrity, exemplifying the fusion of aesthetics and engineering. The use of post-tensioned concrete reduced material quantities and embodied carbon, aligning with sustainability objectives. The project's LEED Gold certification further reinforces its commitment to environmentally responsible design.

The preservation of the Bow Street boundary wall demonstrates PUNCH's expertise in heritage conservation, ensuring the seamless integration of this historically significant feature into the modern design. Despite the complexities presented by the historic setting, urban context, and transportation infrastructure, the project was delivered on time, underscoring PUNCH's strong appreciation of project management and coordination with stakeholders.

PUNCH's ability to merge modern engineering best practice and historical preservation within a challenging urban environment qualifies this project as a leading example of engineering excellence, deserving of recognition in the ACEI Engineering Excellence Awards.

DESIGN CONSTRAINTS AND CONSIDERATIONS

The high-water table located between ground floor and basement level created significant hydrostatic pressure of 60-70kN/m² on the basement slab, requiring careful management of groundwater during construction. To achieve this, the water table was locally lowered by 6-7m, using recharge points outside the bored piled walls to ensure the structural integrity of adjacent buildings.

The building's superstructure comprises in-situ reinforced concrete up to ground floor level, with floor plates typically 325mm deep. At ground level, local sections of 1,500mm transfer slabs support the lift cores, which terminate at ground floor level, not extending into the basement. Above ground, post-tensioned slabs are utilised, with a typical slab thickness of 250mm.

The atrium structure features 24m-long and 1.5m-deep steel trusses which support 12m-wide portal frame beams supporting the glass roof. Minimising the structural depth of the trusses was crucial and stringent deflection limits of the glazing required pinned vertical sliding joints at 1/4 points along the trusses.

The Bow Street boundary wall incorporated into the completed development (facing north)

Time was a critical factor, and PUNCH implemented methods to accelerate the programme. The basement perimeter walls were constructed as double-height, 10m reinforced concrete walls. The significant temporary works required to pour these walls, coupled with a carefully considered concrete mix to avoid grout loss and honeycombing, were vital. The basement structure was then protected with a White Tanking Injection System to achieve waterproofing standards.

The proximity to the Luas added complexity to the construction process. The development is situated directly adjacent to the Smithfield Luas stop and tracks, with the southern elevation of the building incorporating the station facades. The construction of the double-storey basement necessitated the use of CFA piles and rock anchoring beneath the Luas tracks. To manage the vibration and settlement risks, strict limits were agreed with TII, which included a detailed vibration monitoring/control plan.

Throughout the project, full compliance was maintained with legal agreements, ensuring the structural integrity of both the building and the operational Luas infrastructure. The complex sequencing of works along the southern elevation was carefully managed to satisfy these limits.

The Distillers Building achieved LEED Gold certification, reflecting PUNCH's sustainable design approach. It incorporates sustainable drainage systems, efficient structural design, and environmental monitoring of emissions during construction which minimised impacts.

The Distillers Building exemplifies PUNCH's ability to deliver innovative solutions to complex engineering challenges, balancing urban heritage with modern design. PUNCH played a key role in the complex redevelopment of the Distillers Building, where novel design solutions, construction methodology, and environmental considerations were integral to the project's success.

In conclusion, PUNCH's engineering design expertise, overcoming site challenges, streamlining construction, and implementing sustainable solutions exemplifies innovation and excellence, making the Distillers Building a landmark project in urban redevelopment. We are immensely satisfied that this outstanding project embodies our company vision "To Engineer Legacies". It is a legacy project for the 21st century.

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ACEI ENGINEERING EXCELLENCE AWARDS: STRUCTURAL – SMALL/ MEDIUM

WINNER: CRONIN & SUTTON CONSULTING – 9-12 DAWSON STREET

9-12 Dawson Street completed

The 9-12 Dawson Street project is a 9,300sq m mixed-use redevelopment in Dublin's city centre. It involved extensive demolition, refurbishment, and new construction to modernise this historic structure. The project retained the protected facades, added two setback floors, created 9,000sq ft of restaurant space and 60,000sq ft of Grade A office space. Sustainability was prioritised with a part-green roof and retention of over 50% of structural elements. Civil, structural, and traffic engineering services ensured efficient planning, design, and execution, delivering a functional, innovative, and environmentally conscious urban asset.

CS Consulting provided civil, structural, and traffic engineering services for 9-12 Dawson Street through all project phases, including planning, tender, and construction. The scope involved retaining and upgrading key structural elements while introducing modern features to meet current regulations. Significant challenges included working within a dense urban area, preserving historical facades, and integrating new construction with existing structures.

The firm's work encompassed:

- Retaining and reinforcing existing walls, columns, and floor slabs, reducing demolition and embodied carbon;
- Introducing two lightweight setback floors to maximise usable space while maintaining structural integrity;
- Developing temporary works and sequencing plans to ensure safe demolition and construction processes;
- Utilising advanced tools like BIM to minimise waste, improve precision, and optimise resources; and
- Installing sustainable solutions, such as a part-green roof for thermal insulation and urban drainage.

The firm closely collaborated with stakeholders, ensuring the smooth progression of the project. Structural designs balanced sustainability, functionality, and historical preservation, addressing fire safety, thermal performance, and urban integration. These efforts led to a high-quality, modern office and commercial space that respects its historic context.

INNOVATIVE APPROACH

CS Consulting's work on 9-12 Dawson Street is a benchmark for sustainable urban redevelopment and innovative engineering. The project exemplifies the seamless integration of historical preservation with modern design, achieved through advanced structural solutions and sustainable practices. By retaining over 50% of the existing structural elements and reusing salvaged materials, the team significantly reduced embodied carbon and minimised environmental impact.

Innovative approaches, including the addition of lightweight setback floors and a part-green roof, enhanced the building's functionality while addressing sustainability goals. These elements provided increased usable space, improved thermal insulation, and supported urban drainage. The team skillfully navigated complex challenges such as preserving protected facades, working within tight urban constraints, and integrating modern systems into an historic structure. These tasks were accomplished through meticulous planning, temporary works, and the use of advanced tools like BIM to ensure precision and resource optimisation.

The project was delivered on time and within budget, demonstrating exceptional project management and collaboration among all stakeholders. The firm's ability to blend historical preservation, sustainability, and contemporary design aligns seamlessly with ACEI's core values of innovation, technical excellence, and environmental responsibility.

This redevelopment not only revitalised an historically significant structure but also set a standard for medium-scale urban projects. It demonstrates CS Consulting's expertise in delivering complex projects that respect cultural heritage while meeting modern needs, establishing the firm as a leader in innovative and sustainable engineering solutions.

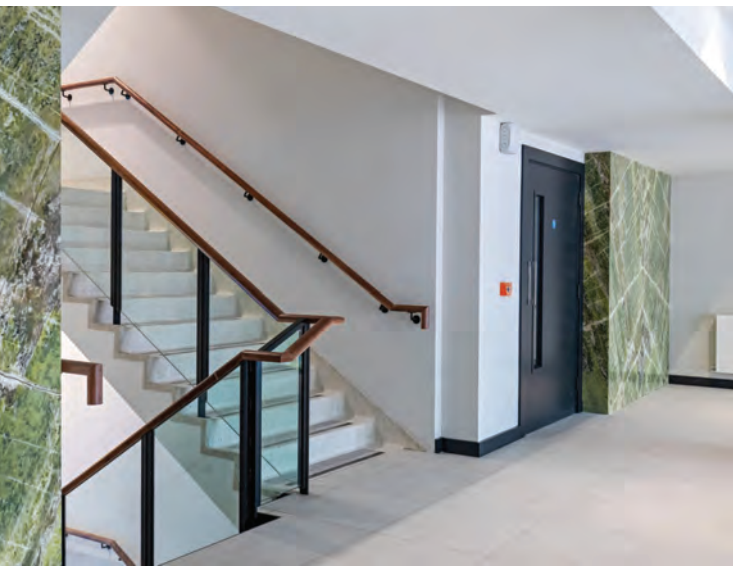
Refurbishment of protected façade

Entrance foyer

SUSTAINABILITY AND ADAPTIVE REUSE

The redevelopment of 9-12 Dawson Street was a complex and ambitious project that required innovative design and engineering solutions to seamlessly integrate modern functionality with the preservation of historical features. CS Consulting successfully retained key structural elements, including walls, columns, and floor slabs, significantly reducing embodied carbon while safeguarding the building's architectural heritage. Two lightweight steel-framed setback floors were introduced, maximising usable space without overstressing the existing structure. Advanced tools like BIM ensured precision in design, minimised material waste, and optimised resource efficiency, enabling effective cost control and supporting environmental sustainability.

Sustainability was at the core of the project. Over 50% of the original structure was retained, reducing demolition waste and the need for new materials. Reclaimed materials, such as salvaged timber and steel, were thoughtfully incorporated to further reduce environmental impact. A part-green roof was introduced, offering multiple benefits: enhanced thermal insulation, improved air quality, and a sustainable urban drainage system to mitigate stormwater runoff in the dense city centre site. These features demonstrate the project's commitment to sustainable urban development and environmental responsibility.



The project also prioritised safety and efficiency during the construction process. Temporary works and sequencing plans were meticulously developed and executed to ensure the protection of workers, the public, and the integrity of the protected facades. This was particularly critical during demolition and structural upgrades in the constrained urban environment.

Strong collaboration between CS Consulting, architects, contractors, and other stakeholders was integral to the project's success. Clear communication and effective coordination minimised disruptions, maintained timelines, and ensured delivery within budget. By addressing challenges such as tight site conditions, heritage preservation, and modern building standards, the team demonstrated exceptional engineering expertise.

Ultimately, the redevelopment transformed an historically significant structure into a modern, energy-efficient office space. This achievement highlights CS Consulting's ability to unite creativity, sustainability, and technical precision to deliver award-worthy projects that respect cultural heritage while addressing the demands of contemporary urban needs.

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ACEI ENGINEERING EXCELLENCE AWARDS: MECHANICAL & ELECTRICAL – LARGE

WINNER: VARMING CONSULTING ENGINEERS – BLOCK J, GARDA HQ

Block J at Garda HQ

Block J is an historic building and protected structure located within the Garda HQ campus in the Phoenix Park on the southern edge of the parade ground. A substantial part of Block J dates to the 1861-1867 phase of construction at An Garda Síochána headquarters. The building is of solid masonry and brick construction with single glazed timber sliding sash windows and has a slate roof. The refurbishment works involved upgrading the interiors to accommodate a highly specialist unit and provide a modern flexible workspace to enable An Garda Siochana to operate efficiently and in line with current practices while also providing the adaptability required for future needs.

Varming was appointed by the Office of Public Works in November 2020 as mechanical and electrical services designers, sustainability engineers and M&E ancillary design certifiers under a 'shadow' BCAR process as the building was exempt from full compliance with Building Regulations Technical Guidance Documents due to its status as a protected structure.

The brief for the project was to provide fit-for-purpose office accommodation that could adapt to operational changes by An Garda Síochána over time, while also addressing wider issues such as sustainability, NZEB compliance, lifecycle costing, universal access and all relevant regulatory and legislative requirements. It was also important to achieve optimal value for money in the context of the whole life of the building as a complete building including its constituent parts.

The existing accommodation had not undergone any major upgrades in more than 30 years and was outdated and unsuitable as both a modern working environment and in terms of the condition of its service installations. The building required a comprehensive renewal of all mechanical and electrical services as well as a full fitout and redecoration.

The refurbishment works included an upgrade of the external fabric, including repairs to the external brick and stone, restoration of the existing slate roof and the replacement and repair of existing sash windows. It also included appropriate insulation of the building fabric including basement, ground floor, external walls and underside of the existing roof.

Mechanical and electrical works included a full upgrade of the electrical distribution system, lighting and emergency lighting, ICT, CCTV and security systems, space heating, ventilation, air-conditioning, fire suppression, water services, drainage and BMS controls as well as the installation of a new Part M compliant passenger lift.

The design team liaised closely with the OPW and An Garda Síochána during the design and construction stages to ensure the completed building met all operational, technical, and specification requirements, while also addressing issues of sustainability, maintenance and obsolescence.

REFURBISHMENT WORKS IN OLDER BUILDINGS

Our approach to the integration of modern M&E building services took cognisance of the sensitive nature of working within an historical property and was based on four key principles:

1. Ensuring all work could be carried out in an appropriate and compatible manner;
2. Taking account of the original construction and intended performance of Block J;
3. Minimising the amount of intervention to the building and fabric;
4. The installation would be reversible wherever possible

Interior circulation space

Due to the complex relationship between building services, energy efficiency, air and moisture movement and the conservation of buildings, it was important to balance all of the issues arising from the following four key objectives.

Objective 1: Preservation of the historic fabric

- Adopting a respectful approach to the building and its fabric
- Understanding how air and moisture moves within the building
- Avoiding inappropriate and incompatible materials and allowing the fabric to 'breathe'

Objective 2: Extending the beneficial use of the building

- Avoiding building services that are expensive to operate and maintain
- Provide modern standards of accommodation
- Adapt the existing building sympathetically to modern standards and requirements

Objective 3: Reduce CO_2 emissions

- Installation of modern efficient plant and technologies and use of cleaner fuel where possible
- Improve occupant health and comfort without compromising the existing building or the environment
- Reduce fuel and utility bills

- Improve the thermal performance of the building in ways which do not conflict with the historic features, the intended performance or the comfort, health and safety of the occupants and users

Objective 4: Specify environmentally conscious materials

- Consider whole life costs of new and existing materials
- Assess the impact of new materials on the environment, selecting equipment with Environmental Product Declarations (EPDs)
- Assess the impact of new materials and equipment on the health and safety of installers and building users

The achievement of these targets and objectives contributed significantly to the preservation and beneficial use of the building, while also delivering reductions in energy consumption and CO_2 emissions.

DESIGN ELEMENTS / PROCEDURES

Block J is a heavily serviced building with extensive electrical and ICT installations which also required complex new services such as VRV air conditioning and Inergen fire suppression. The installation of these new services is sympathetic and complementary while not detracting from the appearance, contents or fabric of Block J and is intended to be reversible and removable without affecting the condition, structural performance and preservation of the historic building.

This strategy involved minimising the amount of pipework, ductwork, electrical containment and cabling required in the first instance to ensure economical distribution of services. The intention was to avoid cutting or notching existing timbers, chasing walls or cutting and coring builders' work openings to ensure minimal disruption to the historic fabric.

Extensive coordination of distribution routes for services was carried out at design stage. Where possible, these followed existing routes and utilising existing voids, for example; in suspended timber floors, existing ceiling and roof spaces, behind panelling, following redundant services routes, along the tops of wide cornices and trusses.

SUSTAINABILITY OBJECTIVES

- Maximising natural ventilation and daylight;
- LED lighting with presence and absence detection and daylight optimisation;
- A high temperature ASHP operating on R-513a, a zero ODP and low GWP (573) non-toxic and non-flammable refrigerant, future proofing against F-Gas Regulations and EU phase-down of hydrofluorocarbon (HFC) gases;
- The building achieved a 42% reduction in primary energy consumption and 41% reduction in operational CO2 emissions.

INNOVATION ASPECTS

Block J was originally served by a small plantroom with limited spare capacity. Rather than providing a new plantroom, a building load analysis determined that by adding a heat source to an existing group heating scheme this existing plantroom could also serve Block J. Within spatial, acoustic and visual constraints a new high temperature ASHP was installed on the roof of the plantroom, and interconnected to a gas-fired boiler plant to provide a new bivalent heating system capable of efficiently meeting the required heating demand.

PROJECT COST CONTROLS & MANAGEMENT

The standard of the service delivered meant that design issues and technical cost/issues were addressed readily and appropriate solutions identified and implemented quickly and effectively.

- Attendance at fortnightly services-coordination and site meetings with the construction team;
- Attendance at monthly project control meetings with An Garda Síochána steering group, OPW architects and engineers, and the design team to keep all parties informed of programme, progress of the installations and cost control;
- Technical submissions issued in advance of works and use of benchmark product documentation at tender stage for ease of pricing and preparation of technical submissions;
- Detailed inspection reports carried out on a fortnightly and weekly basis depending on site progression and issued on the day of inspection so that contractors could address issues without delay;
- Specialist subcontractor meetings;
- Attendance at commissioning and demonstration of the M&E services; and
- Review of all handover documentation before handover to the client.

The project was constructed within a 14-month period and handed over ready for occupation in January 2024 as per the clients requirements. The final account was agreed at handover stage with no further negotiations required due to the effectiveness of the cost control processes implemented throughout the project.

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ACEI ENGINEERING EXCELLENCE AWARDS: ENVIRONMENTAL SUSTAINABILITY – BUILT ENVIRONMENT (LARGE)

WINNER: J.V. TIERNEY & COMPANY CONSULTING ENGINEERS – DCU POLARIS

Campus view of DCU Polaris building

The Polaris building in Dublin City University is the home for DCU's School of Health & Human Performance. It will include a High Performance Lab focused on high performance sports research, a Life Lab to help students develop improved health literacy, and a Movement Lab that will use state-of-the-art indoor sport facilities to help the local community access data analytics and visualisation techniques.

Polaris is designed as an immersive eco-system that actively breaks down boundaries, sparking collaboration across subjects. Active learning spaces like the Industry Robotics Lab and Immersive Visualisation Suite will help students collaborate with peers around the world.

JV Tierney provided the mechanical, electrical and sustainable design services for DCU's new state-of-the-art health and human performance research facility. The scope of services included full M&E design using the latest technology to enable the university to achieve its energy performance targets and sustainability goals. A complex fire safety system was designed to very particular specifications in terms of interconnectivity

One of two fully equipped lecture theatres

Indoor sports facility and state-of-the-art movement lab

across the building. This was a significant issue in relation to the design and installation of the window control ventilation systems and rooflights with dual functions. These systems were designed to provide natural ventilation for occupant comfort but also to function as automatic opening vents in the event of a fire. This dual-functionality required careful coordination between ventilation, fire engineering, and architectural design to ensure compliance with fire safety regulations while optimising airflow and energy efficiency.

The windows and rooflights are equipped with intelligent controls, enabling them to adjust automatically based on indoor air quality and temperature, and, in the case of an emergency, to open as part of the building's smoke and heat exhaust system.

BUILDING ENERGY RATING & PART L COMPLIANCE

Sustainable design and efficient energy usage were central to every project decision. We developed a programme of works which aimed to maximise the building's potential energy performance whilst reducing demands on carbon footprint by using:

- Daylight harvesting;
- LED energy efficient lighting;
- Occupancy sensors;
- Photovoltaic panels to maximise renewable energy generated on site; and
- Internal lifts with regenerative lift drives, which capture and reuse energy during braking, reducing electricity consumption and contributing to the building's energy efficiency goals. This system efficiently minimises operational costs and enhances the building's overall sustainability profile.

These design features enabled DCU Polaris to achieve an A2 Building Energy Rating (BER).

The Polaris building in Dublin City University's Glasnevin Campus is a state-of-the-art education facility. It was designed with efficiency and sustainability at its core. The project represents a cutting-edge example of modern educational infrastructure where advanced mechanical, electrical, and sustainable design technologies have converged to create a high-performance, energy-efficient, and future-ready facility.

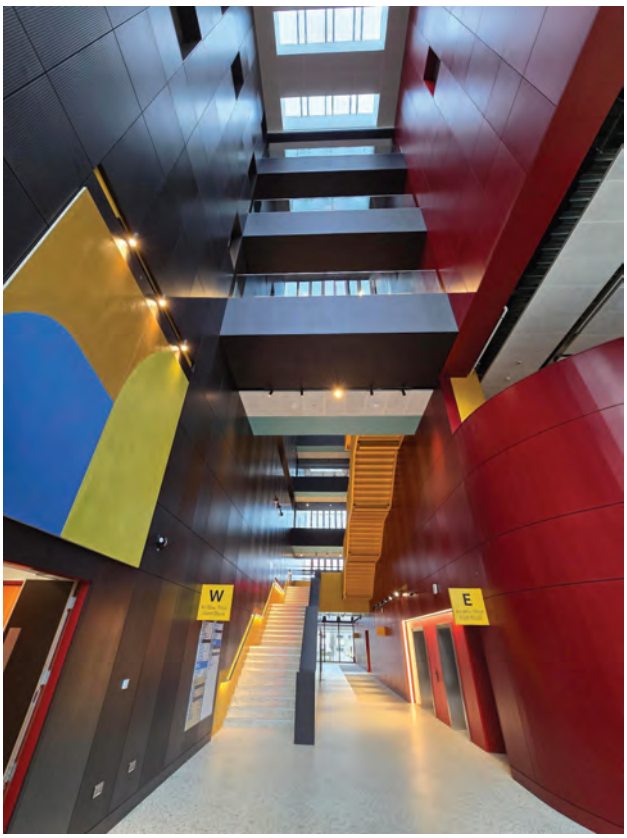
DCU Polaris has been designed to meet the highest standards of environmental sustainability, setting new benchmarks for academic and research spaces. It has achieved notable certifications and employed groundbreaking systems that redefine how buildings interact with their environment. The building secured an A2 Building Energy Rating (BER) and BREEAM Excellent certification at design stage underscoring its exceptional performance in environmental sustainability.

Side view of Polaris building façade

The Polaris building is not just a physical space but a testament to the future of sustainable and technologically advanced educational facilities. Through its integrated systems, cutting-edge infrastructure, and commitment to reducing environmental impact, it stands as a model for future projects. The technical complexity of its mechanical, electrical, and sustainable designs, together with pioneering technologies, makes it an ideal candidate for recognition and an exemplar of best practices in the field of building services engineering.

JV Tierney was delighted to provide the mechanical, electrical and sustainable design services for DCU Polaris. Our goal was to produce a design that reflected the client's requirements. Innovation was at the core of all decisions, with the latest technology employed to achieve the best results. For example, regenerative lift drives were installed to capture and reuse energy during braking, reducing electricity consumption and contributing to the building's energy efficiency goals. This system minimises operational costs while enhancing the building's overall sustainability profile.

A key research focus for DCU Polaris is the field of high-performance sport, and we addressed this by specifying custom-built floorboxes, designed to support a full spectrum of large-format, specialist sports science equipment throughout the facility. These floorboxes provide both one-phase and three-phase power, together with robust data connectivity. This configuration allowed the equipment to be islanded, enabling full 360-degree access to monitor the health and performance of users. Our strategic design approach to integrating such complex technologies supports DCU in delivering world-class sports science research



Main atrium and link bridges with intelligent control skylights/ AOVs and smart energy efficient lighting

A customised Building Management System (BMS) was designed and installed to monitor and collate real time data for all of the building's mechanical and electrical systems to ensure they operate as efficiently as possible.

Many innovative technologies were utilised to enable DCU Polaris to achieve its energy performance goals. These included the use of photovoltaic panels across the roof levels of the building. The PV system can generate up to 82 kWp and has the capacity to feed 62,000kWh per year back into the wider DCU Glasnevin Campus electrical infrastructure. This system contributes to a reduction in CO_2 emissions by as much as 30,000kg annually, significantly reducing operational costs, while supporting DCU's sustainability goals. It also ehances the building's energy independence through a reliable, renewable power source.

To maximise on site energy efficiency innovative Hybrid Variable Refrigerant Flow (HVRF) systems were specified, combining the energy efficiency of refrigerant-based cooling with water-based heat exchange technology. This system optimises energy use, supports simultaneous heating and cooling, and reduces the overall environmental impact of the building, setting a new standard for HVAC design in large-scale educational facilities.

Furthermore, the Polaris building stands as one of the State's largest demonstrations of a fully electrified, decarbonised building. By eliminating fossil fuel usage, the project showcases a bold commitment to sustainability and energy efficiency. This pioneering approach required significant upgrades to the existing electrical infrastructure on the Glasnevin campus to facilitate the electrification and decarbonisation for a building of this size and complexity, while ensuring that it continues to support the diverse energy demands of the modern educational environment. This design has resulted in a highly efficient, low-carbon building that not only aligns with DCU's sustainability goals but also serves as an example for future developments of similar scale and complexity and what can be achieved.

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Watch the full case study here

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ACEI ENGINEERING EXCELLENCE AWARDS: ENVIRONMENTAL SUSTAINABILITY – BUILT ENVIRONMENT (MEDIUM & SMALL)

WINNER: RPS CONSULTING ENGINEERS – UISCE ÉIREANN NATIONAL WATER LABORATORY

The completed laboratory pictured in December 2024, with EV chargers, bicycle storage, walkway and native scrubs in view

Uisce Éireann's National Water Laboratory is Ireland's first dedicated facility for comprehensive water analysis, featuring state-of-the-art equipment for both microbiological and chemical testing. RPS was appointed as lead designers to deliver this flagship 3,736m² project, which can conduct up to 1.2 million water tests annually. The laboratory includes specialised areas for organic and inorganic chemistry, microbiology, and parasitology, along with essential utility support, gas storage, and waste management facilities. The project has been awarded an 'Outstanding' BREEAM design rating, becoming first laboratory in Ireland and only the third Europe to achieve such distinction.

RPS was appointed as lead designers by Uisce Éireann in October 2018 to deliver this project, taking it from preliminary design and planning, through to detailed design, tendering, construction, commissioning and handover. The services we provided included:

Ductwork servicing critical laboratory extract systems utilising venturi valves

Interior of one of the water testing laboratories featuring mechanical ventilation system

- Project management;
- Civil and structural engineering;
- Architectural design;
- Mechanical and electrical engineering;
- Project Supervisor Design Process (PSDP);
- Environmental and sustainability services;
- Integration and hook up of laboratory equipment;
- Planning services;
- Geotechnical engineering;
- Transport services;
- Water services;
- Landscape design;
- Building Information Modelling (BIM);
- Fire engineering;
- Quantity surveying/Cost control;
- Assigned certifier/BCAR compliance;
- Employer's representative; and
- Resident engineer.

A key requirement of the project brief was for the design to meet, and indeed exceed, 'Part L' energy requirements while aiming to achieve the highest possible BER rating. This was particularly challenging for a laboratory, which due to its function has extremely high energy and mechanical ventilation requirements.

During the design process, RPS suggested the project pursue accreditation through a recognised standard. BREEAM was chosen as it was deemed the most appropriate for this building type, with an initial target of a BREEAM 'Excellent' rating. A BREEAM certified rating reflects the performance achieved by a project and its stakeholders, as measured against the BREEAM standard and its benchmarks. The rating provides assurance on performance, quality and value of the asset. The BREEAM ratings range from Acceptable to Pass, Good, Very Good, Excellent and Outstanding.

As the project developed and key energy saving measures were employed, it became apparent that the higher level of BREEAM - 'Outstanding', was achievable. By implementing enhancements to the design the building achieved that rating for the design stage.

The project was delivered on time, completed within its six-year development timeline, and €25 million budget, and was formally handed over to the client in October 2024.

SUSTAINABLE LABORATORY DESIGN

Uisce Éireann's National Water Laboratory is an exemplar building. Not only is it Ireland's first dedicated facility for comprehensive water analysis, but it is also the first Irish institutional building to achieve an 'Outstanding' BREEAM design rating – a distinction shared by four other Irish buildings and just two other European laboratories.

The awarding of this 'Outstanding' design rating is the result of an ambitious sustainability target set by RPS and Uisce Éireann at the project's inception, which has been integrated into all aspects of the development through close collaboration.

The laboratory is designed to generate 22% of its energy demand from renewable sources and 31% of energy is reclaimed. The reduction in carbon emissions of the building equate to 55 tonnes of $C0_2$ equivalent from the ventilation system, 23 tonnes from the heat pumps and two tonnes from the solar PV. Noteworthy sustainable design elements include:

- **Engineering design** – 31% energy reduction when compared to a standard 'Part L' compliant building; first Irish laboratory to have 'Aircuity' system to

Exterior of the laboratory's reception area, featuring wayfinding signage and outdoor seating

reduce energy consumption of ventilation system (61% baseline reduction); sanitaryware water usage reduction of 55%; low polluting refrigerants use and zero NOx emitting plant on site; the use of low carbon concrete with up to 50% of clinker replacement, exceeded the required minimum of 30% throughout the site.

- **Site master planning and landscaping** – use of native scrubs to eliminate irrigation need; protection of existing ecological features; five EV charging sites; reduced light pollution; alternative modes of transport travel plan; and installation of PV solar panels.

- **Health and wellbeing** – glare control in the building façade; managed internal and external lighting levels and zoning; and considered indoor air quality and ventilation.

INNOVATIVE SOLUTIONS

Uisce Éireann's National Water Laboratory stands as a testament to RPS's commitment to sustainability. By integrating innovative energy solutions, maximising natural resources, and implementing comprehensive waste management strategies, the laboratory not only meets the current needs of water analysis in Ireland but also sets a precedent for future developments in the built environment.

Sustainability was a core objective throughout the project, guiding every aspect of the design and construction process.

Distinct complexities of the project were the high heat gains and air change requirements of laboratory settings. RPS's innovative solutions addressed this by including hybrid heat pumps, energy recovery systems, and intelligent air volume control to effectively manage these demands. The building's commitment to sustainability is demonstrated by additional energy-efficient measures including daylight and occupancy lighting controls, variable speed pumps and fans, the installation of photovoltaic (PV) solar panels on the roof to contribute to the facility's energy needs and electric vehicle (EV) charging points to promote sustainable transportation options for staff and visitors.

The laboratory has two energy recovery devices: Air Handling Units (AHUs) and four-pipe air source heat pumps. AHUs feature a run-around energy recovery coil from the ventilation exhaust system. This energy coil has no cross-contamination issues as there is no direct interaction between the exhaust stream and the supply air to the laboratories. The energy recovered from the exhaust air is used to temper the supply air to the air handling units.

The key benefit of four-pipe air source heat pumps is that energy can be used for simultaneous heating and cooling. Waste heat from one area of the building can be used to provide heat to another section, utilising it within the building rather than releasing it into the atmosphere as per a conventional chiller arrangement. This enhances energy efficiency by mitigating the need for additional heating/cooling and ultimately results in substantial energy savings.

The building exemplifies innovation in sustainable design too, using 'ISO 19650 International Standard Business Systems Certification for BIM'. A complete federated model was developed comprising of civil and structural, architectural, and mechanical and electrical Revit models. This best practice approach allowed for enhanced collaboration among the design team. The major benefit of this to the project was the ability to identify clashes with the building early and resolve issues as the models evolved throughout the design process. Such proactive measures reduced the risk of costly delays and helped ensure that sustainability objectives were met throughout the construction process.

Sustainability extends beyond the energy efficiency of the building to encompass effective waste management strategies. The facility includes designated areas for waste storage, ensuring that hazardous materials are handled safely and responsibly. RPS's design integrates utility support areas that facilitate the efficient management of laboratory waste, minimising the environmental impact of the facility.

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ACEI ENGINEERING EXCELLENCE AWARDS: ENVIRONMENTAL SUSTAINABILITY – NATURAL ENVIRONMENT

WINNER: RYAN HANLEY LTD – KILKENNY REGIONAL WATER SUPPLY SCHEME UPGRADE

River Nore abstraction and raw water pumping station

Ryan Hanley was tasked by Uisce Éireann to identify, design, and deliver a sustainable and secure potable water source for Kilkenny City and surrounding areas, supporting population and business growth. The project involved developing a new intake facility with transfer pipelines from the environmentally sensitive River Nore, decommissioning existing substandard surface water intakes, upgrading Troyswood Water Treatment Plant, and ensuring uninterrupted supply during construction. Additionally, infrastructure was delivered to enhance resilience within the Regional Water Supply Scheme (RWSS). This project successfully met the community's long-term water needs while prioritising environmental sensitivity.

Ryan Hanley (RH) was commissioned to manage all stages of this comprehensive project from concept, feasibility, planning consent, and detailed design to procurement, construction, commissioning, and handover. RH was appointed to the commission in 2015, and the final stages of the project, consisting of construction management and handover, were delivered by Ryan Hanley Stantec in 2024.

The brief was to identify a safe sustainable water source to meet the medium- to long-term needs of Kilkenny City and its surrounding areas and to deliver all stages of the project required to bring this source into service, including new abstraction infrastructure, enhanced water treatment processes, increase treatment capacity and pipeline improvements to bolster resilience within the Regional Water Supply Scheme (RWSS) network.

Key challenges with the existing infrastructure included:

- Aging treatment infrastructure, requiring overhaul and optimisation to meet current Uisce Éireann standards and specifications.
- Capacity, raw water quality and security issues at the three existing sources.

The project began with review of initial concept and feasibility assessment to determine the best sustainable source for the RWSS. RH then progressed through preliminary and detailed designs, securing the necessary planning approvals. The preliminary design informed various investigative surveys, including site, archaeological, hydrological, and topographical surveys, which all contributed to the final design. Our planning approach also required additional reports addressing archaeological, flood-risk and ecological factors as well as environmental considerations.

In parallel, we successfully supported the acquisition of the required land and wayleave permissions. Our role included the completion of detailed route selection and preparation of the requisite documentation to facilitate the execution of a CPO process for the required lands. Once on-site, RH was responsible for administering the contract and managing the commissioning of the works, ensuring the successful completion of the project while minimising disruption of water supplies to customers for the duration of on-site activities.

ABSTRACTION OPTION DEVELOPMENT

The selection of a potable water source to meet Kilkenny City's needs posed a particular challenge, as the only water bodies of sufficient size to meet the demand are within a designated European site. To address this complexity Ryan Hanley's multi-disciplinary team conducted thorough hydrological, hydrogeological, water quality, ecological and archaeological assessments. This collaborative approach enabled us to identify the most environmentally sound and sustainable long-term solution for securing a safe potable water supply to the RWSS, without adversely impacting the Special Area of Conservation (SAC).

The final design represented a significant departure from the client's original plan, resulting in the following key outcomes:

- Decommissioning of the existing Radestown Water Treatment Plant (WTP), removing it from the EPA's Remedial Action List (RAL).
- Decommissioning of existing abstractions where previous over-abstraction had the potential to adversely impact the water quality of a protected waterbody.
- Decommissioning of the previous source from the River Nore, thereby protecting the supply to the RWSS even during extreme weather events.
- Development of a single abstraction point from the River Nore, located to minimise ecological impact while maximising hydrological capacity. This design was finalised in consultation with Inland Fisheries Ireland (IFI) to protect fish populations in the waterbody.
- An increase in the water supply to the RWSS from 11MLD to 17.56MLD.
- Avoiding the need for multiple groundwater sources to address supply deficits, thus reducing the risk of hydrogeological impacts on the River Nore, minimising energy consumption, and limiting the need for extensive pipeline infrastructure.

Intake structure with fish recovery system

Selection of planting on the site

Troyswood Water Treatment Plant

- A threefold increase in the treatment capacity of the existing WTP, from 5.8 MLD to 17.56 MLD, while ensuring continuous supply to customers.
- Development of infrastructure that enhances the long-term resilience of the RWSS.

SUSTAINABILITY THROUGH DESIGN

Maximising sustainability throughout the entire project lifecycle was a core consideration in every decision. In designing the intake, detailed ecological and hydrological surveys, modelling, and assessments were carried out to identify and address associated risks. Hydrological studies, including those following the UKTAG Water Framework Directive (WFD) approach, confirmed that the projected abstraction rates from the River Nore were sustainable long-term, factoring in potential climate change impacts, and ensuring no significant hydrological impact on the River Barrow and River Nore SAC system.

The RH design team was acutely aware that the intake could potentially affect water quality, bank integrity, and fish migration within the protected River Nore watercourse. To mitigate these risks, the final design included the following measures:

- **Abstraction Location:** Chosen to utilise an existing natural weir, eliminating the need for any new structures that could obstruct fish passage.
- **Bank Stability:** The location was selected in a non-eroding section of the river, based on historical mapping showing no major erosion or deposition over the past 100 years.
- **Flow Management:** Ensuring adequate flows remained in the river after abstraction, particularly during low-flow conditions.
- **Species Protection:** Design elements specifically aimed at protecting Crayfish, Lamprey and Salmon (all qualifying interests of the SAC) that are found in proximity to the works, in addition to protecting European eel which is also present in the River Nore and considered highly endangered, including:
  - Measures to dissuade fish and elvers from entering the intake, incorporating screen selection and design for drought condition inlet flow velocities below 0.15m/sec to prevent fish being drawn in and to allow free movement back to the river channel.
  - Inclusion of a fish recovery and return system within the intake design to safely return any fish drawn into the intake back to the watercourse.

Protecting these species, their migration routes and ensuring the sustainability of their habitat into the future was a crucial goal for the project's sustainability.

In addition to the abstraction, the design included a major upgrade to Troyswood Water Treatment Plant, increasing output capacity from 5.8MLD to 17.56MLD, while enhancing treatment processes. A key component of the upgrade was a new used washwater treatment system improving the quality of water discharged to the River Nore. The works were all carefully phased to minimise disruptions to the live WTP environment, ensuring a continuous supply to the city throughout construction. All designs adhered to energy efficiency standards and looked to prioritise off-site fabrication to minimise carbon emissions, while maximising circular economy principles.

In line with sustainability goals, the project also focused on preserving biodiversity, with a comprehensive tree planting initiative across the green areas of the site to ensure no net loss of biodiversity.

Throughout the project, we prioritised all three pillars of sustainability, including social impact. By replacing three unsustainable sources with a single, sustainable abstraction, the project has had a positive social impact. Not only has it removed a growth constraint but it has also contributed to the protection of the fisheries habitat within the watercourse.

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ACEI ENGINEERING EXCELLENCE AWARDS: PROJECT MANAGEMENT

WINNER: DONNACHADH O'BRIEN & ASSOCIATES – ST CONLETH'S PARK REDEVELOPMENT

The redevelopment of St Conleth's Park, Newbridge consisted of the demolition of the existing covered stand and clubhouse on a town centre site and the construction of a new 3,000-seater sideline grandstand. Ground floor accommodation included four new full-size changing room facilities, officials changing facilities, public toilets, refreshment kiosks and plant rooms. First floor accommodation included Club Kildare Premium Level lounge with bar, administration offices and multi-purpose function rooms.

The project involved the replacement of the existing pitch with a new sand-based grass pitch with integrated irrigation and drainage infrastructure, along with new boundary enclosures. Works also included the construction of a new entrance plaza, ticket office and turnstiles; the restoration and structural conservation of the historic Athgarvan Road entrance gate archway (a protected structure); and the installation of 500 Lux floodlighting together with all associated site drainage and services infrastructure. The development is the first BER A-rated GAA stadium in the country.

Donnachadh O'Brien & Associates was appointed as project managers, civil and structural engineers, traffic and transportation, PSDP and design team lead of a multi-disciplined, engineering-led design team. The project was designed and delivered under GCCC PW-CF1 form of contract.DOB&A's involvement with Kildare GAA in St

Conleth's Park dates back to 2016 and included assessing the existing stadium safety and capacity in accordance with the recognised sports standards. Significant deficiencies were reported including an old grandstand structure that was beyond the end of its structural lifespan and a sports ground with a limited capacity of circa 3000 people.

As project managers and design team lead, DOB&A coordinated all consultants and specialist designers as part of an integrated design team including

- Coady Architects - architect (incl. fire, DAC, assigned certifier & landscape)
- Carron & Walsh - quantity surveyors
- Galileo Energy - M&E, energy & sustainability
- McSherry Electrical - floodlighting designers
- SGS - agronomist and specialist pitch designer
- Banagher Concrete and O'Reilly Precast - precast designers

As a predominantly public project, with multiple funding strands, a key function of the PM role was assisting the client with significant stakeholder engagement including:

- Pre-planning presentation and engagement with residential neighbours, local Tidy Towns, public representatives, particularly in relation to design of floodlighting and avoidance of light spill, to ensure a smooth passage of the project through planning.
- Kildare County Board Executive and Development Committee - project technical and commercial updates, budget costing, risk register, H&S register
- Bord Na Mona - the adjoining commercial buildings which shared the boundary at the rear of the stand were a significant constraint requiring underpinning, vibration and noise monitoring and structural monitoring
- Kildare County Council - planning and conservation architects in relation to protected structure boundaries on site and conservation works to Athgarvan Road entrance
- Croke Park GAA - Infrastructural Committee - monthly reporting, meeting with technical liaison for funding draw-down, progress reports and technical vetting
- Department of Sport and Tourism - main funder under Large Scale Sports Infrastructural Fund (LSSIF) - technical due diligence with OPW technical staff and preparation and update of monthly project execution plan and cost reporting for funding draw-down.

St Conleth's GAA Stadium redevelopment was a complex and significant regional sports stadium project, managed and technically led by DOB&A as civil and structural lead consultants to Kildare GAA.

The project has already been recognised by the Minister for Sports and Tourism and Jarleth Burns, President of the GAA as an exemplar and best-in-class, county sports ground. The development is to form the template for other regional and county sports stadium redevelopments around the country.

The project has also been recognised by Kildare County Council and all stakeholders as being critically important in bringing new life and vibrancy into the heart of a town centre community. Newbridge, like so many towns in Ireland, has struggled in terms of economic and social vibrancy and regeneration. Through extensive stakeholder engagement the project, with 32m-high sports floodlighting, obtained planning without significant objection and was supported by local residents, adjoining neighbours and the local authority.

As project managers and lead designers, DOB&A delivered this project on time and on budget as part of an extremely challenging programme including:

- a very tight budget set against a demanding client brief

- meeting the program and ensuring handover of the project so that the county finals could be played in October 2024
- difficult site constraints and servicing, and sensitive adjoining neighbouring properties
- use of off-site modular/precast construction for the entire superstructure, with significantly reduced embodied carbon through specification of cement replacements/alternatives
- first stadium in Ireland to achieve an A-rated BER incorporating renewable and sustainable energy measures
- extensive consolidation and refurbishment works to protected and historic boundary wall structures
- the navigation of both the COVID pandemic and Ukrainian crisis and resulting construction industry working challenges and cost increase implications over the lifetime of the design and construction works, which had to be value engineered and managed
- the coordination and integration of multiple specialist designers and subcontractors into the overall project.

Masterplanning: DOB&A has managed the feasibility and design of the project with Kildare GAA at St. Conleth's park since 2016, examining various alternatives for capacity/safety upgrade works. It has also played a key role in assembling and coordinating the design team consultants and specialists in order to assist the client in understanding the site constraints, feasibility and budgetary/ funding issues associated with the project, to deliver a best-in-class regional and county GAA grounds on time and within budget.

Communications: As project managers, DOB&A played a key role in managing clear communications between the client and the design team and all project stakeholders. This was of particular importance in ensuring that the client brief and construction programme were adhered to and key dates for the completion of works were achieved for the reopening of the grounds in time for the 2024 County Finals.

Specialist designer input: DOB&A provided the performance specification and coordinated the specialist pitch designer's and subcontractor's requirements into the main contract to ensure the pitch works were seamlessly incorporated into the wider project and delivered in time for the county final matches, as mandated by the client.

Floodlighting in a sensitive town centre site: The inclusion of 500-Lux match-level floodlighting at the stadium was a critical part of the client's brief. This presented a particular challenge at planning stage due to the presence of nearby adjacent residential properties. DOB&A engaged with local residents, specialist floodlighting designers and integrated their role within the overall project, including detailed light-spill analysis and post construction monitoring and measuring of the sensitive receptors, to ensure compliance with design and planning standards.

Project management and cost control: With multiple public and private funding agencies, stakeholder management and reporting were key project management functions for DOB&A. Monthly preparation and maintenance of the project execution plan including careful project monitoring and due diligence oversight by technical advisors from Croke Park and the Department of Sports and Tourism demanded rigid and accurate reporting on budget, site progress, programme, and technical compliance. This was coupled with monthly client representative meetings, where the project risk register was discussed and updated, including normal contractor site progress meetings and BCAR inspections.

Health & safety and third party stakeholders: As project managers the safety of the site and surroundings was carefully assessed and managed by DOB&A at design and construction stages. Key considerations included construction traffic management in a busy town centre site, building immediately adjacent to live commercial buildings, vibration and noise monitoring, work on dilapidated protected structure boundary walls, minimal disruption to existing pitch, provision of cranage and traffic haulage routes for heavy precast assembly, temporary stability to cantilever roof structure and sequencing of structure to ensure temporary stability during construction. DOB&A ensured that all key concerns were addressed by the design team during preparation of the final works designs.

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ACEI ENGINEERING EXCELLENCE AWARDS: OVERSEAS

WINNER: ROUGHAN & O'DONOVAN – HERRING BRIDGE, GREAT YARMOUTH, UK

Herring Bridge is a Nationally Significant Infrastructure Project (NSIP) that has transformed travel across Great Yarmouth, England, connecting communities on either side of the harbour and easing traffic congestion while also improving journey-time reliability.

The £121m project includes:

- a significant double-leaf, bascule, movable bridge span of 64m (trunnion to trunnion), with associated control towers;
- bridge protection structures and sheet pile river walls;
- large, reinforced-concrete, bascule abutments;
- approach span bridges consisting of precast, prestressed concrete, beam and slab structures;
- pile-supported approach embankments; and
- approach roadworks, drainage works and utilities.

Roughan & O'Donovan (ROD) was appointed by BAM-Farrans (BFJV), a joint venture between BAM UK & Ireland and Farrans Construction, to lead the detailed design of the project. BFJV was contracted by Norfolk County Council (NCC) under a design-build (D&B) contract. ROD appointed H&H as MEICA sub-consultant for their particular expertise in movable bridges.

Our commission consisted of four distinct phases delivered over six years:

1. PQQ and tender stage: ROD and H&H provided international expertise, qualifications and project experience to assist BFJV in pre-qualifying and winning the rigorous, competitive dialogue and D&B tender.

2. Development Consent Order (DCO): Our early-stage services included developing the tender design into a

This perspective of the bridge shows the bascule pit and the rear underside of the bridge. The central hydraulic power unit actuates the two pairs of yellow cylinders efficiently

A drone photo of Herring Bridge during construction. The 1800-tonne, floating, sheerleg crane sits in the channel after placing both bascule leaves

preliminary design for the DCO, which ensured the planning consent application and funding application benefitted from supply chain innovations and confidence in constructability. We worked with NCC and BFJV to integrate the movable bridge, approach bridges and roadworks with the wider scheme and submit a fully integrated DCO application.

3. Detailed design: While the DCO process progressed, ROD undertook the detailed design. We provided a range of multidisciplinary engineering services on the project, including movable bridge, structural, roadworks, geotechnical, environmental, drainage and utilities design. The collaboration between ROD and H&H combined European expertise in the design of the forward spans of movable bridges i.e. OSDs (Orthotropic Steel Decks), and over 125 years of design experience in counterweight and MEICA design in the US.

4. Construction stage: During the construction and commissioning phase, we provided head office support, temporary works design services, and construction supervision. We worked with multiple stakeholders across the project, and our collaborative engagement with the contractor proved crucial to overcoming the many challenges this complex D&B scheme presented.

AN AWARD-WORTHY PROJECT

Strategic level

The impact of the global economic recession in 2008 was felt by ACEI member firms until at least 2014 and required many to seek commissions internationally. As our nearest neighbour, the UK presented an ideal geographical location into which ROD could diversify its services, particularly given the complex sectors of the bridge market. Our work on Herring Bridge builds on our previous success on complex bridge projects in the UK and has helped us to establish an important foothold in the UK. This can only be beneficial to other ACEI member firms seeking to promote Irish engineering excellence in the UK.

Project level - tender design stage

The successful competitive D&B process was a synergy of innovative design, value engineering, carbon savings and a commitment to sustainability. This was achieved by drawing on both European and US expertise in the design of steel and movable bridges, resulting in a final scheme with a lower carbon footprint than the client's original design. Additionally, the value engineering associated with the foundation design for both temporary and permanent works resulted in significant savings for the client. The design integrated the temporary cofferdam with the permanent bridge abutment foundations, reducing construction time, materials and project costs.

Project level - detailed design stage

The detailed design realised the proposed savings and carbon reductions, demonstrating the importance of completing engineering designs at the earliest stage possible in any commission.

Project level - construction stage

Only three 72-hour river possessions were permitted during the bridge's two-year construction period. This constraint required advances and innovation in accelerated bridge construction (ABC), a set of technologies designed to tackle the problems of building and rebuilding bridges in the 21st century.

PROJECT DETAILS

Project management/programme

To finalise the planning and environmental work for the DCO, the contractor and ROD followed an innovative procurement and project management approach with

The presence of soft ground across the site added further complexity to the project

NCC. The team developed and delivered a fast-track programme resulting in the bridge opening in 2024, just six years after ROD's involvement commenced.

Health and safety

ROD acted as designer under the UK Construction (Design & Management) Regulations 2015, a role that required navigating the complexities of coordinating and cooperating with other consultants (including temporary works), the contractor, and their subcontractors to align all design and construction activities - particularly during short, intense phases of work.

Design elements/procedures

The key drivers for the success of the scheme were the optimisation of two design elements:

1. The combining of European and US skills and experience in steel and movable bridges; and
2. The significant value engineering of the movable bridge foundations.

The first element was achieved by ROD's significant European experience in the optimisation of OSDs, in combination with H&H's design of a unique, highly efficient, closed loop hydraulic cylinder drive, consisting of push-pull cylinders. Both resulted in significant savings in structural steelwork, counterweight quantities, operating machinery and costs and loads on the foundations.

Complexities involved

The complexities associated with the contractual constraints of minimising disruption to an operational port were overcome by a deep understanding of ABC, and extensive workshops between the design team, contractor, subcontractors, client and the port authority. Another complexity was the presence of soft ground across the site, which influenced every design decision made by each engineering discipline.

Innovation in construction

An innovative solution was used for the abutment construction, which reduced the number of piles required and the construction time. It involved integrating the steel, combi-wall cofferdam (temporary works) with the abutment concrete works. This represented a refinement of the client's original concept design.

Sustainability and environmental objectives

In addition to three European Special Protection Area designations, the site included heritage designations comprising four scheduled monuments, listed buildings and six conservation areas. Our ecological considerations extended to both terrestrial and marine environments. We identified protected species in the area, including water voles, for which we created new habitats and relocated them as part of the scheme.

Site management and supervision

ROD provided a full-time designer's site representative on-site to ensure coordination of the multiple complex issues that arose, particularly around the works associated with river closures.

Unplanned bomb explosion

In February 2023, an unexploded World War II bomb was discovered on-site, despite previous investigations having been undertaken. The site was immediately evacuated, and the military attempted to disarm the bomb. When an unplanned detonation occurred, thankfully, no one was injured. The project team then moved swiftly to investigate the extent of the damage and began to plan and execute remedial measures.

A procession of pedestrians, cyclists, classic cars, trucks, and emergency vehicles marked the official opening of the bridge

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- Advisory services on bearing capacity, earthworks, slopes & soil stabilization
- Construction Quality Assurance Testing for Earthworks and Soil Stabilization Projects (static plate load, DCP, dynamic plate load, NDG)
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- Assessment and classification of defective concrete blocks in accordance with I.S. 465:2018 (Pyrite / Sulphide / Micaceous Aggregates)

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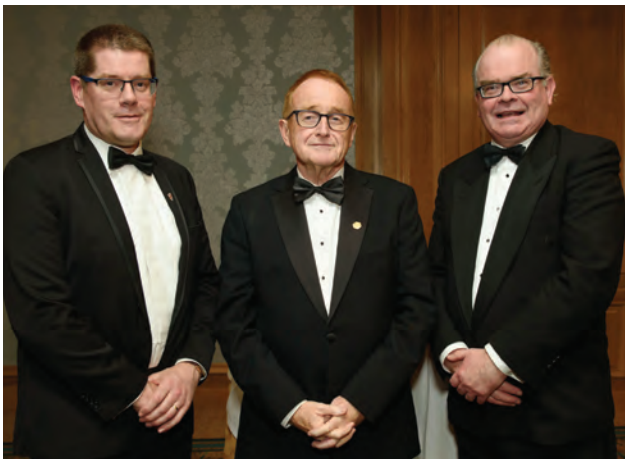
ACEI AWARDS DINNER 2025

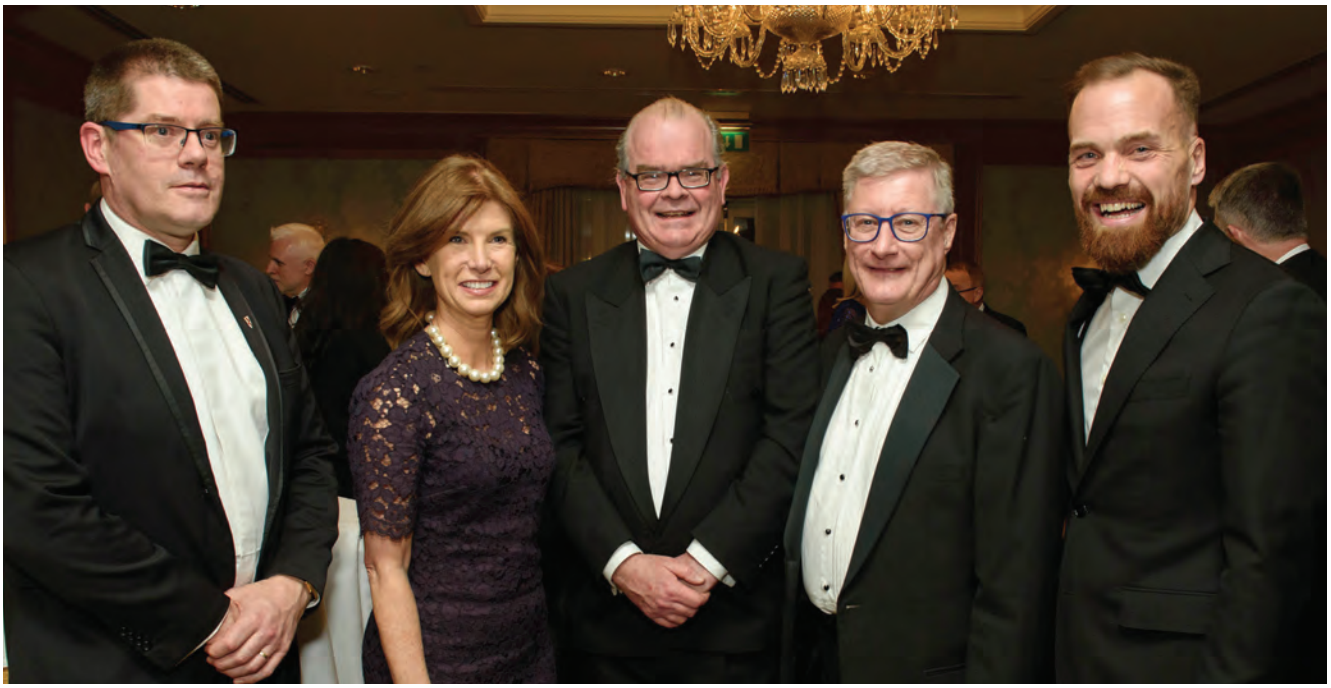
ACEI President 2024-2025 Anne Marie Conibear hosted the annual awards dinner on 28th March 2025 in the InterContinental Hotel

Sharon Rudden with Anne Marie Conibear, ACEI President and Presidential Award recipient, Kevin Rudden

Michael Edge accompanying Heather Edge wife of the late Derrick Edge, ACEI President 2005-2006 in recognition of the Derrick Edge Future Leader Award with John Purcell, adjudicator the Derrick Edge Future Leader Award, Cora Purcell and Suzanne Purcell, General Manager, CiTA



Dermot Durack, Chairperson of the Chartered Institute of Arbitrators (CIArb) Ireland; PJ Rudden, Chairperson, CSG Innovation and Digital Adoption Subgroup and Neil Kerrigan, Head of Collaborative Research at Enterprise Ireland



Dermot Durack, Chairperson of the Chartered Institute of Arbitrators (CIArb) Ireland; Kathryn Meghen, CEO, RIAI; Neil Kerrigan, Head of Collaborative Research at Enterprise Ireland; Damien Owens, Director General, Engineers Ireland and Shane Dempsey, ACEI Director General

Tim Murnane, ACEI Vice President with Sinéad Timoney, CEO, Fehily Timoney & Company Ltd and Sean Finlay, Business Development Director, Geoscience Ireland

Tara O'Leary, Niamh McDonald, Joanne Moran, Sarah Mongan, Anne Marie Conibear, ACEI President and Antia Prados, Egis

Alan Curran, Senior Director, RPS; Anne Marie Conibear, ACEI President and Jerry Grant, Chair of Dublin Port & Uisce Éireann

Maria O'Dwyer, Infrastructure Delivery Director, Uisce Éireann; Sarah Ingle, Registrar of the Construction Industry Register Ireland (CIRI); Anne Marie Conibear, ACEI President and Tara Cosgrove, Partner, Beale & Company LLP

Kevin Hollingsworth, President of the Society of Chartered Surveyors Ireland, SCSI; Stephen McCarthy, President, CIF and Dermot Durack, Chairperson of the Chartered Institute of Arbitrators (CIArb) Ireland

Joan O'Connor, Adjudicator ACEI Excellence Awards; Kathryn Meghen, CEO, RIAI; Sean Mahon, Managing Director, O'Connell Mahon Architects (OCMS) and President of the RIAI; Tara Cosgrove, Beale & Co LLP and Shirley Coulter, CEO, SCSI

Richard Crowe, ACEI President 2016 and ACEI award adjudicator; Eoin Dunphy, Chair, IStructE (Ireland) and Damien Owens, Director General, Engineers Ireland

Graeme Tinney, Griffiths & Armour and David O'Brien, OGP

Shane Dempsey, ACEI Director General accompanied by his wife Barbara Dempsey

Marcus Fagan, Steven Preece, Niamh McDonald, Anne Marie Conibear, ACEI President, Martin Hogan, Joanne Moran and Paul Judge, Egis

Eleanor Burke, Director (Environmental) OCSC and Anne Marie Conibear, COO and CBLD Energy and Sustainable Cities, Egis, ACEI President

Sharon Rudden; Brian Kavanagh, ACEI President 2022 and Chairman GARLAND; Anne Marie Conibear, ACEI President and John Noonan, ERP, P&PM Consulting

Tom Costello, Head of Development, IPUT; Connor O'Kane, Project Engineer, Arup; Ayshah Shah, Senior Engineer, Arup; Mark McMullan, Associate, Arup; Paul Spollen, Consultant, Arup; Oonagh Reid, Director & Ireland Buildings Group Leader, Arup; Luke Stewart, Associate Director, Arup

Joan O'Connor, Adjudicator ACEI Excellence Awards and Kathryn Meghen, CEO, RIAI

EFCA FUTURE LEADER 2025: EXCELLENCE IN ENGINEERING PRIZE

Cian Long BEng (Hons) MSc CEng MIEI – Associate Bridge Engineer at Arup

Cian Long BEng (Hons) MSc CEng MIEI

Congratulations to Cian Long, Associate Bridge Engineer at Arup, on winning "The Excellence in Engineering" category prize at the prestigious European Federation of Engineering Consultancy Associations (EFCA) Future Leader Competition 2025. Now in its 16th edition, the EFCA Future Leaders' Competition recognises young professionals under the age of 35 who exemplify leadership, innovation and excellence within Europe's consulting engineering sector.

Cian was nominated for the EFCA prize by the ACEI after being shortlisted for the ACEI Future Leader Award 2025 for his contribution to the New Harbor Bridge project in Texas – a 506m main span, precast segmental, cable-stayed bridge spanning the Corpus Christi Shipping Channel. The EFCA jury praised Cian's exceptional project management and leadership skills, noting that his role demanded meticulous coordination across multiple international offices operating around the clock. The award was presented during the EFCA General Assembly, held in Luxembourg between 14th-17th May.

Since joining Arup in 2013, Cian has significantly contributed to Arup's bridge design team, with notable projects including the Rose Fitzgerald Kennedy Bridge in Ireland, Kirjalansalmi Bridge in Finland and Francis Scott Key Bridge in Baltimore. His ability to manage multidisciplinary teams across continents, design codes and time zones has distinguished him as a leader capable of navigating the intricate demands of modern infrastructure delivery.

In 2020, Cian embarked on the most influential project of his career to date – the detailed design of the New Harbor Bridge, in Texas. As part of the project leadership team, he was responsible for leading the global analysis, superstructure design, superstructure construction engineering support and load rating of the longest precast segmental, cable-stayed bridge in North America.

Speaking about his award win, Cian said: *"Receiving this award is a tremendous honour and a reflection of the incredible team I've had the privilege to work with. Our goal has always been to push the boundaries of bridge engineering through innovative, sustainable solutions. I am proud to have played a role in creating infrastructure that will serve communities long into the future."*

The European Federation of Engineering Consultancy Associations

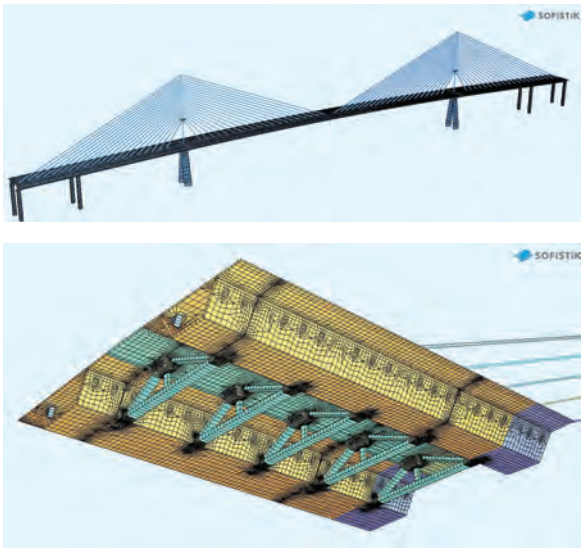
has awarded

Cian Long

The Excellence in Engineering Prize
in the EFCA 2025 Future Leaders Competition

for his outstanding contribution to the "New Harbor Bridge" Project in Corpus Christi, Texas

Luxembourg, 16th of May 2025



Global (top) and local (bottom) analysis models. © Arup

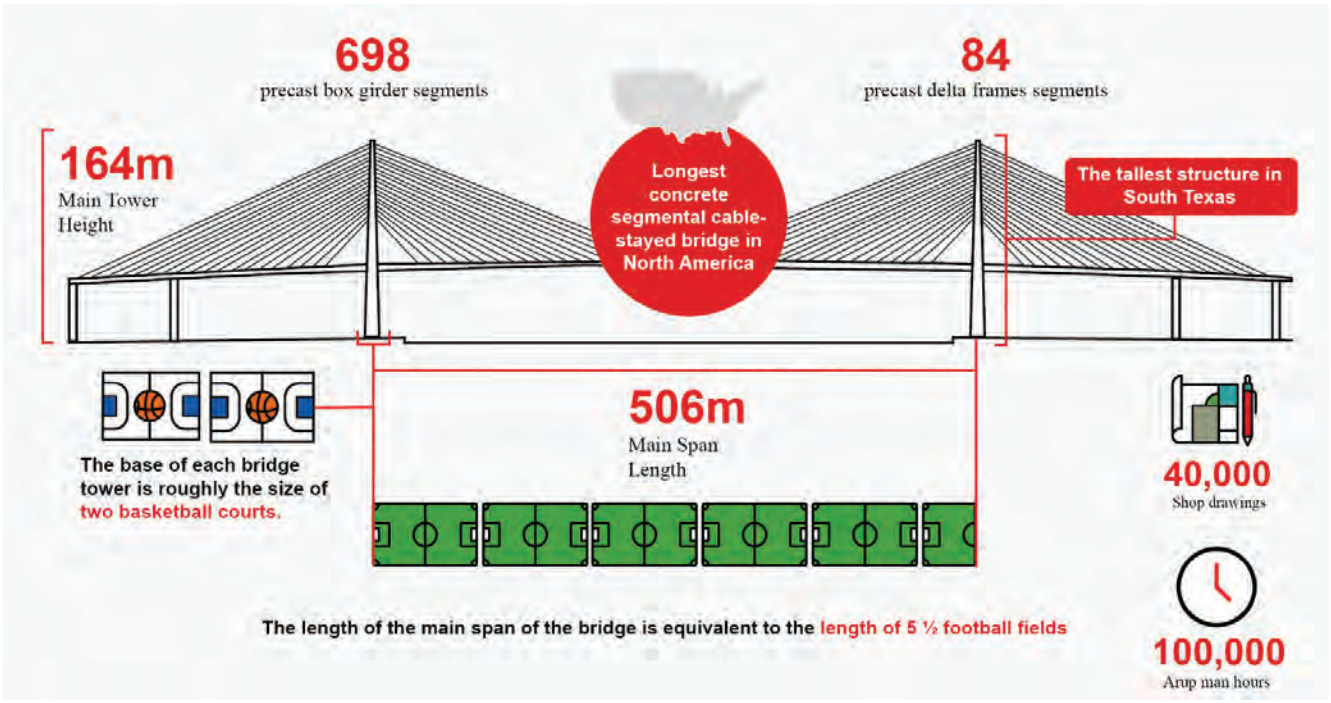
Cian was presented with the award by ACEI President, Tim Murnane, and Director General, Shane Dempsey, at the ACEI Annual Conference in Dublin. © ACEI

The bridge has a total length of 1,002m and a span arrangement of 82-166-506-166-82m. The deck consists of two separated precast segmental boxes with a central plane of double stay cables connected to the boxes via a delta frame (precast concrete truss), providing a total deck width of 45m. Arup was the Engineer of Record (EOR) and Carlos Fernandez Casado (CFC) was the Independent Technical Reviewer (ITR).

Arup-CFC were tasked with the huge challenge of designing and certifying the entire bridge within only a 14-month period from August 2020 to September 2021. Applying a global approach to meet this challenge, Cian led a team of approximately 25 bridge engineers based across multiple offices and regions, coordinating with teams and partners globally and using the benefit of multiple time zones for 24-hour working at peak points in the project delivery.

This global delivery approach required Cian to establish a robust, scalable workflow. He achieved this through centralised digital design and collaboration tools that could react immediately to changes as the design evolved and provide real-time direction to the construction teams.

A bridge of this complexity requires detailed structural analysis. As analysis lead, Cian developed and implemented a database-centric workflow to manage



Key features of the New Harbor Bridge. © Arup

The completed bridge in June 2025. Image courtesy of Harbor Bridge Project

the development and processing of all required analysis models, ensuring that they were efficiently shared across all offices.

A unique and challenging feature is the bridge's delta frame, a precast, prestressed concrete truss connecting the northbound and southbound box girders to each stay cable. This area of the bridge required special attention and a significant effort from the design team in terms of refined complex local analysis.

Cian also led the load rating of the bridge, measuring the bridge's ability to carry a given live load, accounting for the structure's condition, expressed as a 'rating factor' for each component. This provides an invaluable tool to the client for their subsequent use and will allow them to make critical decisions about overweight vehicle permit requests, maintenance, repairs and strengthening.

As superstructure lead, Cian was responsible for the delivery of the precast segmental elements of the bridge, a form of bridge construction that minimises environmental impacts and health and safety risks by pre-casting segments off-site in a controlled environment, minimising waste and removing the majority of construction activities from site. Manufacturing segments in a controlled environment also ensures higher quality and consistency, leading to a more reliable and safer structure. Precast segmental bridges are also known for their durability and long lifespan. New Harbor Bridge exemplifies this with a design life of 170 years in a coastal environment.

In February 2024, recognising the importance of shared experiences and technical insights, Cian arranged for a group of engineers and contractors from another major Arup cable-stayed project in Finland - Kirjalansalmi Bridge - to visit the New Harbor Bridge. The parallels in construction techniques across both projects created an opportunity for knowledge sharing between key clients and partners.

In spring 2025, the last segments were installed which closed the main span, a culmination of years of hard work and dedication from an enormous design and construction project team. The bridge opened to traffic in summer 2025, redefining the skyline of Corpus Christi. Cian would like to acknowledge the support of the project developer, Flatiron Dragados and the project owner, the Texas Department of Transportation, in receiving this award.

Commending Cian's award win, ACEI's Director General, Shane Dempsey, said: *"Cian's achievement is a remarkable endorsement of his capabilities and integrity. He fully deserves to be recognised as a future leader of the European consulting engineering sector; his work shows he is leading our sector today into that future. It should be a great source of pride for our sector that a young Irish engineer has been awarded this prestigious European award. Indeed, Ireland had four entries at European level – showing that, as ever, we can compete on a global stage. Well done to Cian and the team at Arup for their ongoing work that reflects so well on the Irish consulting engineering sector."*

Tim Murnane, ACEI President, congratulated Cian, saying: *"This is a fantastic achievement for Cian, Arup and consulting engineering in Ireland. This recognition of the excellence of Cian's work, at European level, is wonderful and Cian now takes his place in a very long line of outstanding bridge engineers from Arup. I wish Cian all the best in his future career."*

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ACEI DERRICK EDGE FUTURE LEADER AWARD 2025

We are proud to announce Declan Haugh, DBFL Consulting Engineers as the winner of the ACEI Derrick Edge Future Leader Award 2025

Since the inception of this award, the role of adjudicator of the ACEI Future Leader Award has been performed by many distinguished past presidents of ACEI. Last year's award adjudicator was our dear friend and colleague, the late Derrick Edge, our ACEI president in 2005. Derrick was ideally suited to this role as he was always a champion of emerging engineering talent not only in Arup but across all ACEI consultancy practices.

In recognition of Derrick's long-standing commitment to developing young engineering talent, ACEI renamed this award in his honour. Derrick's wife Heather and son Michael attended the ACEI Awards Dinner, where the industry paid tribute to Derrick's remarkable contribution and expressed its appreciation directly to his family.

The Derrick Edge Future Leader Award recognises a consulting engineer as a potential leader with excellent communication skills, business acumen, technical capabilities and strong ethical values. ACEI congratulates the 2025 Derrick Edge Future Leader Award Winner Declan Haugh, DBFL Consulting Engineers.

Declan is pictured above receiving his award from Anne Marie Conibear, ACEI President and Future Leader adjudicator, ACEI President 1994 and dear friend of Derrick's, John Purcell, at the ACEI Awards dinner on Friday 28th March.

Declan and his fellow Future Leader nominees Cian Long (Arup) and Darragh Noble (AtkinsRélais) entered the EFCA 2025 Future Leader Award. Cian Long was honoured with the EFCA Excellence in Engineering Prize at the EFCA Conference on 16th May in Luxembourg for his contribution to the New Harbor Bridge project in Texas – a 506m main span, precast segmental, cable-stayed bridge spanning the Corpus Christi Shipping Channel.

WHY FUTURE LEADERS MATTER

Future leaders are at the forefront of tackling the critical challenges of our time, from housing and infrastructure to the climate crisis.

Are you an aspiring leader ready to make an impact? We are pleased to announce that the application process is now open for the ACEI Derrick Edge Future Leader Award 2026. Further details are available on the ACEI website. Share your work, showcase your talent, and step into the spotlight as one of the engineering leaders of tomorrow.

AWARD CRITERIA

The 2026 ACEI Derrick Edge Future Leader Award will be presented to a consulting engineer with excellent communication skills, business acumen, technical capabilities and strong ethical values. The award competition is a great opportunity to showcase your experience to date, add value to your credentials and be publicly recognised as a rising talent by the senior leaders in your profession.

Candidates are required to submit a written application including:

- A description of the qualities and skills you believe you possess that meet the criteria of an ACEI Future Leader (max 400 words);
- An outline of the main challenges currently facing the consulting engineering profession in Ireland and how you think they could / should be addressed and the role that ACEI could play in this context (max 600 words);
- A description of a project in which you played a key consulting engineering role. Demonstrate clearly how you met the client's brief and brought excellence in design, innovation, sustainability, health and safety and value for money to the project (max 1200 words). Photos / images can also be included.

Entries should also include up to two other pages containing the following information:

- Full name and date of birth of applicant;
- Name of ACEI member company;
- Qualifications obtained to date and CPD courses undertaken;
- Brief career history including dates, company name(s) and position(s) held;
- Professional memberships and voluntary committee / organisation activities;
- Signature and supporting statement (max 200 words) from an ACEI Fellow (FConsEI).

To qualify for the competition applicants must satisfy the following criteria:

- Be a Chartered Engineer;
- Be 35 years of age or under on 31st March 2026;
- Have four or more years relevant experience;
- Be employed in an ACEI member company;
- Be supported by an ACEI Fellow Professional Consulting Engineer (FConsEI).

The ACEI has an adjudicating panel to assess the applications and may choose a shortlist of up to five candidates. The short-listed candidates will need to make themselves available to undertake an interview with the panel in early February 2026 where two or three finalists will be selected. The overall ACEI winner will be formally announced at the ACEI Annual Awards Dinner on 27th March in the Intercontinental Hotel, Dublin 4. The finalists will be invited to submit their entry to the EFCA Future Leaders Award.

The EFCA Future Leaders Competition is open to professionals working for EFCA-affiliated firms. This event aims to showcase Europe's next generation of leaders and highlight the diversity and attractiveness of pursuing a career in our industry.

The competition offers member associations a unique opportunity to engage with these future industry leaders and showcase their countries' top talents. Together, we enhance the visibility of our strong and growing EFCA network within our sector and beyond.

Since the 2024 competition, new submission processes and five excellence categories have been introduced to highlight the future leaders' role within a project and reflect the extensive skills required to meet society's expectations of professionals in our sector:

- Quality of Submission / Presentation;
- Engineering;
- Digital & New Technologies;
- Impact on Climate & Biodiversity;
- Contribution to Society.

CORPORATE PARTNERS

Graeme Tinney, CEO of Griffiths & Armour Europe dac (an Aon Company) reflects on the support provided by ACEI, the contribution of individuals and why firms should lend their voices to perhaps the most significant call for change - the introduction of Proportionate Liability

As Professional Indemnity insurance brokers and risk managers, we share a rich history with ACEI which stretches back over 40 years. During that time, we have witnessed the Association's ongoing, vocal and steadfast support for members on a whole range of issues, from procurement reform and conditions of engagement to health & safety legislation, and the introduction of the Building Control Amendment Regulations, to name but a few.

Whilst such activities can go under the radar, they are absolutely critical in a world where margins are challenged, and consultants are often required to carry a disproportionate level of risk. In that regard, our experience is that ACEI have been at the forefront in raising awareness and driving meaningful and positive change. They have established significant trust with policymakers and procurement authorities and have worked effectively with other industry bodies to deliver a fairer trading environment for their members.

It is important to acknowledge that the strength of that representation has always depended upon the support of firms and individuals, many of whom devote considerable time to participating on committees, sub-committees and industry groups. That selfless dedication has been central to ACEI's effectiveness and with that in mind, we fully support the Association's work to grow membership and provide an even stronger voice for the profession.

In recent years, it is ACEI's voice that has been leading the call for the introduction of proportionate liability, the importance of which cannot be overstated. The application of Joint & Several liability under the Civil Liability Act (the so called 1% rule) is creating a severely disproportionate liability environment for construction consultants that is exacerbated through the insolvency of other parties:

- It leaves firms exposed to losses that far exceed their responsibility for problems;
- It drives claimant behaviour; supporting a 'scatter-gun' approach to litigation and greatly inflating the legal and other defence costs associated with any claim;
- It creates reliance upon the PI insurance market to bear a level of risk it is simply not capable of funding;
- It penalises the most capable rather than the most culpable.

The reality is that members of the design team have no control whatsoever over the appointment or assessment of other parties. Yet, it is individual members of the design and construction team who face the risks arising from the financial failure of those parties, or as is often the case, their failure to entrust their financial exposure to an insurer capable of meeting those claims, for whatever reason.

There is now an urgent need to move to a fairer model of risk allocation that reflects international best practice. We welcome the work ACEI have been doing to address what is perhaps the greatest challenge for the profession and we encourage all Consulting Engineering firms, and the wider consultancy sector, to support their call for change.

For our part, we continue to devote considerable time and resource to assisting ACEI in the delivery of their aims. As insurance brokers, we aim to ensure that our clients are better advised and better informed to make better decisions. Supporting the Association is an important factor in delivering on that ambition and to ensuring our clients' interests are properly represented.

Graeme Tinney
CEO, Griffiths & Armour Europe dac (An Aon Company)

Griffiths & Armour are Consulting Insurance Brokers and Risk Managers with particular expertise in Professional Indemnity insurance for construction consultants. As part of Aon, we work with colleagues in over 120 countries to provide clients with the clarity and confidence to make better risk and people decisions that protect and grow their businesses.

Griffiths & Armour Europe Designated Activity Company, trading as Griffiths & Armour, is regulated by the Central Bank of Ireland.

Construction in 2026: Digital Transformation, Emerging Risks and What Engineers Need to Know

A quick snapshot of the year ahead shows that the focus is firmly on the future.

Ireland's position as a leading European data-centre hub continues to shape the construction landscape. The sector, valued at $2.15bn in 2025 and projected to double by 2030, brings with it complex risks - including hyperscale construction challenges, operational hazards such as fire and water usage, as well as sustainability pressures driven by high energy demand and tightening regulation.

We are acutely aware though that the delivery of all projects, be they large infrastructure or one-off house builds, are increasingly challenging for consulting engineers in these changing times with the shifting demands of the future of work, the future of technology, legislative, regulatory and climate change.

Construction robotics, automation and off-site digital manufacturing are accelerating change across the industry. Moving repetitive and dangerous tasks to controlled factory environments is improving quality, speeding up assembly and enhancing safety. Technologies such as modular construction, off-site prefabrication and 3D printing in factories offer greater precision and significantly less waste. Modular construction in particular is gaining traction as a practical response to skills and labour shortages, with the market expected to grow in 2026. However, there are significant issues to be considered such as what contracts are being used, intellectual property rights, rights to inspections, insolvency risks, as well as transportation and insurance.

Digital integration is now standard across major projects. Connected devices, robotics, BIM-enabled collaboration, and cloud-based project management platforms are improving efficiency, reducing errors, and enhancing real-time visibility across supply chains. This shift is creating richer operational data, enabling more accurate risk profiling and early identification of stress indicators such as delays, design clashes, and cost overruns. Machine-learning tools may soon be deployed to predict equipment failures, assess structural performance and analyse project documentation for compliance gaps. On-site computer-vision systems can already monitor worker behaviour, safety compliance, and quality of work, generating audit trails useful in the defence of claims. Even on smaller projects, routine inspections can now be documented instantly using notes, photos and drone footage.

However, increased digital adoption brings new exposures. Data quality, contractual allocation of digital responsibilities and AI-related transparency issues may create uncertainty in liability disputes. Compliance with confidentiality, data protection and contractual obligations is essential when deploying digital tools or AI systems. The sector's digital evolution offers clearer risk insight – but also emerging possibilities of risk to be assessed. Capturing, governing, and sharing digital information appropriately, and within the correct legal and regulatory frameworks, will be fundamental to future project strategies. Whether large or small, having clear contractual and legal bases for capturing and retaining data and its use and operation is essential.

The construction sector faces another pivotal year. Digital transformation and AI offer powerful opportunities, tempered by new technical tools. As always though, all stakeholders should be vigilant to cyber exposures. Leveraging new tools within the correct legal and contractual framework will help safeguard against liability.

BEALE & CO

For over two decades, Beale & Co's Dublin office has been providing clients in the construction sector with high quality advice throughout the Republic of Ireland, the UK and internationally. We advise on construction projects from inception to completion and across all sectors of the construction industry. Highly regarded and trusted by top tier consultants, we advise throughout the lifecycle of construction projects. The firm are the legal corporate partner for the ACEI.

Dextra Lighting is one of the UK's largest privately owned lighting manufacturers, with nearly 50 years of industry experience. Founded and still led by Rupert Martin, the group employs around 500 people across nine subsidiary companies and has the capacity to produce approximately 20,000 luminaires each week. Its vertically integrated structure brings together design, electronics, manufacturing, logistics, and recycling under one organisation, allowing for speed, quality control, and technical innovation.

The company provides both standard and bespoke LED lighting solutions across a broad range of sectors including commercial offices, education, healthcare, airports, government and local authorities, industrial facilities, retail environments, rail infrastructure, and architectural projects. A major strength lies in Dextra's in-house electronics and testing capabilities, with bespoke LED circuit board production, advanced laboratories, and specialist photometric design tools ensuring high efficiency, reliability, and long product life.

Dextra places strong emphasis on research and development, supported by rapid prototyping, 3D modelling, and a dedicated lighting design team that delivers full visualisations and performance calculations. Its Just-in-Time manufacturing approach, bespoke packaging systems, and in-house logistics fleet help reduce waste while maintaining flexibility and fast delivery across the UK and Europe.

Sustainability is central to the business strategy. Dextra operates solar-powered facilities, tracks Scope 1–3 emissions, and runs its own WEEE-approved recycling company, recovering and recycling tens of thousands of luminaires each year. Its products are designed around circular economy principles, prioritising repairability, longevity, and reduced embodied carbon.

Alongside its UK growth, Dextra Lighting is now expanding its presence in Ireland, strengthening its ability to support projects across the Irish market with local expertise and faster service delivery.

Through innovation, responsible manufacturing, and sector-focused solutions, Dextra continues to set high standards in efficient, sustainable lighting.

Brendan McCarey
Specification Manager
bmccarey@dextragroup.co.uk

Pensions for members of ACEI

The rules and regulations governing pension in Ireland in the past saw relatively few changes. However, the pace of change has certainly picked up in recent years, and there are a couple of important recent rule changes that have an imminent deadline.

In January this year the Auto Enrolment (AE) pension system came into effect, designed to enroll any employees who are not currently in a pension arrangement. In December 2025 there was a rule change to specify the minimum pension contribution level that will be required to avoid being drawn into the AE scheme.

In April 2026 the body that oversees the AE scheme will identify those employees for whom there is a contribution level of less than 3.5% of gross salary, via payroll. Any such employees will be automatically enrolled into the new AE scheme. In my experience, most consulting engineering firms wish to avoid having employees drawn into the AE scheme because typically the employees would be better off joining the employer's pension scheme.

The second imminent issue is the requirement for all executive pension schemes to be fully compliant with the IORP II (Institutions for the Occupational Retirement Provision) rules by April 2026. If an existing executive pension plan still has the employer as trustee, the IORP II rules will impose significant compliance costs on the scheme. There are solutions available, but it is very important to take advice quickly to make sure that your pension is fully compliant with the IORP II rules before April 2026.

For further details, please contact Tony Gleeson, B.Comm., AIIPM, Executive Benefits Limited at info@ebl.ie, or 087-2570139.

Keystone Group is a leading Irish-owned manufacturer of building products, supplying innovative, high-performance solutions to the construction industry for over 35 years. Through a portfolio of specialist brands — including Keystone Lintels, IG Masonry Support, Keylite Roof Windows, Smartroof, Smart PUC, Keyfix and Showersave — the Group supports residential, commercial and infrastructure projects across Ireland, the UK, Europe, Australia and the USA.

Engineering performance is central to Keystone's approach. Each brand is focused on delivering technically robust solutions that meet the regulatory, structural and environmental requirements faced by engineers across diverse construction markets. Products are developed with an emphasis on strength, durability, compliance and buildability, and are rigorously tested and certified to relevant Irish, UK, European and international standards, providing confidence at both specification and construction stages.

Keystone works closely with consulting engineers, architects and contractors to support efficient and coordinated design. Dedicated technical teams across the Keystone brands provide detailed product data, calculations, drawings and compliance guidance, helping engineers integrate Keystone solutions seamlessly into their designs. This collaborative approach helps to ensure that products perform reliably on site as well as on paper.

Innovation and sustainability underpin Keystone's continued investment in product development and manufacturing capability. Brands such as Smart PUC and Showersave reflect the Group's focus on energy efficiency and smarter use of space, supporting engineers in meeting increasingly demanding environmental and regulatory targets.

As an Irish business with strong international reach, Keystone Group understands the practical challenges engineers face across different construction environments. Its commitment to technical excellence, responsive support and continuous improvement makes it a trusted partner for consulting engineers working on projects of all scales.

Leyton Ireland is proud to be a corporate partner of the Association of Consulting Engineers of Ireland (ACEI), supporting its members at a time when the consulting engineering sector is facing growing commercial pressures, evolving compliance requirements, and increasing demand for innovation-led delivery.

ACEI plays a vital role in representing and strengthening Ireland's consulting engineering community, providing member firms with a trusted platform for collaboration, industry advocacy, and shared best practice. At Leyton Ireland, we recognise the importance of this work and are delighted to support ACEI in helping its members thrive in a competitive and fast-changing market.

Through our partnership, Leyton Ireland aims to provide practical value to ACEI members by helping engineering-led businesses understand and access the government-backed incentives available to them. This centres around the R&D Tax Credit, providing guidance on identifying qualifying activity and ensuring claims are robust, compliant, and well-evidenced.

Many consulting engineering firms undertake highly technical work involving complex problem solving, innovative design approaches, sustainability-driven development, and continual advancement in project methodologies. However, despite the level of innovation taking place across the sector, many businesses are not fully aware that this type of work may qualify for significant tax relief.

We are proud to support ACEI members through educational engagement, events, and direct collaboration, helping firms unlock funding opportunities that strengthen cashflow and enable reinvestment into people, technology, and future growth.

Leyton Ireland looks forward to continuing to build on this relationship and supporting ACEI members in maximising the value of innovation across Ireland's engineering sector.

MasterTherm is delighted to partner with the Association of Consulting Engineers of Ireland (ACEI) as a corporate partner, supporting its members with advanced, high-performance technologies and expert insight in sustainable building design.

MasterTherm is internationally recognised for manufacturing premium ground-source and air-source heat pump solutions engineered for exceptional efficiency, durability, and long-term performance. Designed and built to the highest European standards, MasterTherm heat pumps deliver industry-leading coefficients of performance, making them ideally suited to low-energy buildings, large-scale commercial developments, and complex mixed-use projects where reliability and lifecycle costs are critical.

Complementing this offering is the Atrea range of ventilation and heat recovery systems, which integrate seamlessly with MasterTherm heat pump solutions. Together, these systems create a highly efficient, balanced building services strategy that maximises heat recovery, reduces energy demand, and significantly lowers operational costs. When correctly designed and specified, the combined MasterTherm and Atrea solution can deliver substantial reductions in energy consumption while enhancing indoor air quality and occupant comfort.

Through its partnership with ACEI, MasterTherm works collaboratively with consulting engineers at every project stage, from early concept and feasibility through to planning, detailed design, and delivery. We provide technical support, performance data, system modelling, and design guidance to help engineers optimise system layouts, meet NZEB and decarbonisation targets, and future-proof buildings against evolving regulations and energy costs.

This partnership reflects a shared commitment to engineering excellence, sustainability, and practical innovation. MasterTherm looks forward to supporting ACEI members with trusted technologies, informed design collaboration, and solutions that deliver measurable environmental and economic value across Ireland's built environment.

ACEI GOLF EVENT 2025

A huge thank you to everyone who joined us on 2nd October 2025 for the ACEI Annual Golf Event at Powerscourt Golf Club

The ACEI Annual Golf Event 2025 was a fantastic day of golf, networking, and good company, all made possible thanks to the incredible support of our event sponsors: Keystone Group, Spencer Recruitment, Griffiths & Armour, and Aon company, all who competed on the day. Our other sponsors included, EBL, Irish Building Magazine, Saros Consulting, Premier Publishing, Tower Media, McGuirk's Golf, County Meath Golf Club, and Brands Hatch motor racing circuit.

Congratulations to our winners:
1st Place: Varming Consulting Engineers Ltd.
2nd Place: DBFL Consulting Engineers Ltd.
3rd Place: TJ O Connor and Associates
4th Place: ORS

We were delighted to welcome teams from across our membership, including:
Arup
AtkinsRéalis
Axiseng
DBFL Consulting Engineers Ltd.
Fehily Timoney & Company Consultants
JV Tierney & Co. Consulting Engineers
O'Connor Sutton Cronin
PUNCH Consulting Engineers
RPS
TJ O Connor and Associates
TOBIN
Varming Consulting Engineers Ltd.
ORS

A big thank you also to our director general Shane Dempsey, who closed out the day with a great address and presented the prizes.

1st Prize: Varming Consulting Engineers
Michael Payne, Diarmuid Wilson, David McGoldrick and Niall Patterson

2nd Prize: DBFL Consulting Engineers Ltd
Ross Griffin, Daire De Burca, David Sheehan and Kevin Sturgeon

3rd Prize: T.J.O'Connor & Associates Ltd.
Edward Fitzgerald, Niall McCaffrey, Ronan McElwain and Thomas Greaney

4th Prize: ORS
Cormac Geoghegan, Meadhbh O'Driscoll, Darren Holmes and John Brennan

Longest drive: Fehily Timoney & Company pictured are: Eithne Lawton, Fiona Howard, Anne O'Dwyer and Helen Farrow. Fiona won longest drive

ACEI QUALIFICATIONS FOR MEMBERSHIP

Baldonnell Business Park, Dublin 22 © PUNCH

QUALIFYING AS AN ACEI MEMBER

Summary of qualifications for ACEI Membership

- Agree to abide by ACEI Code of Conduct / Rules for Membership.
- Managed by ACEI Fellow Professional Consulting Engineers (FConsEI).
- Have excellent professional reputation and ethical standards in place.
- Be primarily engaged in providing technology based intellectual services.
- Maintain appropriate PI Insurance.

Becoming a Member:

- Applications are approved by the Executive Board.
- A proposer and a seconder, both ACEI Fellow Professional Consulting Engineers must support the application.
- Notice of your nomination for membership, as well as any other information the Executive Board considers relevant, will be sent to each new member.

QUALIFYING AS AN ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER (FCONSEI)

FConsEI status signifies that an individual is a leader in the consulting engineering sector, has a proven track record of excellence and is committed to quality, safety and sustainability in all their work. Applicants must:

- Be eligible for inclusion, or already be included, in the Engineers Ireland Chartered Engineer (CEng) register, or be deemed to have equivalent qualification by ACEI Executive Committee. If chartership is not with Engineers Ireland, a list of UK engineering professional titles that are recognised can be found at **www.engc.org.uk/about-us/our-partners/professional-engineering-institutions/**
- Have seven years' minimum professional experience.
- Have three years' minimum practice as a consulting engineer.
- Be a partner/shareholder or in control of the management decisions of the company.
- Be directly responsible for dealing with clients and committing firm financially to client commissions.

Process:

- Every person interested in becoming registered as an ACEI Fellow Consulting Engineer must make an application in writing to be approved by the Executive Board.
- A proposer and a seconder, both ACEI FConsEI, must support each application.
- Following approval, the abbreviation "FConsEI" may be used exclusively to signify registration as an ACEI Fellow Professional Consulting Engineer.

QUALIFYING AS AN ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEER (RCONSEI)

Registered Professional Consulting Engineers have achieved Chartered Engineer status and have demonstrated excellence in their work and commitment to quality, safety and sustainability in their work over the past four years at least. Applicants must:

- Hold a third level professional engineering qualification.
- Be eligible for inclusion, or already be included, in the Engineers Ireland Chartered Engineer (CEng) register. If chartership is not with Engineers Ireland, a list of UK engineering professional titles that are recognised can be found at **www.engc.org.uk/about-us/our-partners/professional-engineering-institutions/**
- Be employed in an ACEI Member firm and exercise a management role as a consulting engineer.
- Have four or more years of ACEI approved professional engineering experience.
- Have completed an ACEI approved business related course.

Process:

- Applicants must complete an application form and provide supporting documentation for approval by the Executive Board.
- A proposer and a seconder, both ACEI FConsEI, must support each application

APPLY TODAY FOR MEMBERSHIP If you have any queries, please contact **louise.patterson@acei.ie**

CORPORATE AFFILIATE MEMBERSHIP

Corporate Affiliate Membership is open to any engineering related professional company, which does not fulfil the requirements for full membership, but:

- which has an interest in the consulting engineering industry.
- supports the ACEI objectives and agrees to abide by the ACEI Code of Conduct.

In general terms, ACEI encourages Affiliate Members to play an active role in the association. This is, on the one hand, an advantage for Affiliate Members. At the same time, Affiliates bring a wealth of varied experience to the consulting engineering industry and to ACEI.

BENEFITS FOR CLIENTS IN SELECTING AN ACEI MEMBER COMPANY

Selecting a consulting engineer for a project is the most important decision a client makes. The success of any project depends on obtaining the most technically competent, experienced and reputable expertise to ensure a successful sustainable project in line with the client's requirements and in harmony with the built environment.

ACEI Membership Stands for:

- Ethics and integrity
- Reliability
- Impartial professional advice

Membership Guarantees:

- Academic qualifications
- Professional experience
- Expertise and know-how

University of Limerick Student Care building © PUNCH

SELECTING A CONSULTING ENGINEER


Bon Secours Hospital Limerick © PUNCH

Selecting a consultant is one of the most important decisions an owner or client makes. The success of any project often depends upon obtaining the most able, experienced and reputable expertise available.

The best project results are achieved when there is a true professional relationship of absolute trust between the client and the consultant. This is because the consultant must make sound, objective decisions and act in the best interest of their client at all times. The method of selection should therefore seek to develop mutual confidence between the two parties.

There are two key points to consider when deciding what method of selection to employ:

Since precise professional performance specifications cannot be written, it is difficult, if not impossible, to equitably apply the principles of competitive bidding. That is to say, if the competition is based on price, different consultants may anticipate providing very different levels of service. Although it is possible to write a performance specification for the physical aspects of the project itself, it is very difficult to write suitable specifications for how a consultant should perform. This difficulty arises because factors such as the extent of investigations, the consideration of alternatives or the quality of design and levels of innovation cannot be quantified. Each factor not only depends on the mechanics and procedures employed in executing professional work, but also upon the expertise, experience, judgement, innovation and imagination of the consultant and the supporting staff working on the project.

Successful consulting services depend on sufficient time spent by properly qualified people. Thus the method of selection should not force fees down to the point where consultants cannot afford to assign properly experienced staff for sufficient periods of time.

Inadequate fees lead to the reduction of the scope and quality of the service by spending less time on the project or assigning lower paid and usually less qualified personnel to the project. Thus lower consulting fees give no assurance of lower total project costs. Inadequate engineering often leads to higher construction costs, higher material costs and greater life cycle costs. All of which are likely to cost far more than the potential saving made on design fees.

THE IMPORTANCE OF QUALITY-BASED SELECTION (QBS) FOR THE PROCUREMENT OF CONSULTING SERVICES

Selection based on quality

The method of selection that best meets all factors is quality-based selection. That is, the client chooses the consultant on the basis of professional competence, managerial ability, availability of resources, professional independence, fairness of fee structure, professional integrity and quality assurance systems.

The recommended procedure for selection of consulting firms is to:

- identify potential firms with relevant experience
- select the most appropriate firm
- negotiate the fee on a mutually agreed scope of services with the selected firm
- execute appropriate agreement terms.

ADVANTAGES OF QUALITY-BASED SELECTION (QBS)

QBS delivers the best value for money

Selecting a consultant based on quality ultimately provides the best value for the client. Experience has demonstrated that the competency of the consultant is the key to an efficient, cost-effective project. Top-quality consultants bring best practices to the project. This translates into the best possible solutions for the client and the end user; which means the appropriate technology, innovative solutions and the lowest life cycle cost. The QBS process encourages consultants to continually improve their skills and strive for creativity and innovation because their selection depends on it. The client is the beneficiary of these best consultant practices at competitive fees. QBS leads to:

Fairer Fees

Fees will be fairer to both the client and the consultant because they are negotiated after the parameters of the assignment are fully established. Consultants will not be under pressure to minimise their efforts by devoting less time to project details, by considering fewer alternatives, or reducing the amount of checking. This means the project will be safer, more efficient, cheaper to build and more economical to operate over its life cycle.

It has been suggested that the client is at a disadvantage when negotiating fees after the consultant is selected. This is not the case, since there is a wide spectrum of documentation on fee guidelines available to the client. In addition, the client can seek appropriate advice from other consultants and professional organisations.

SELECTION CRITERIA

The most important standards by which to judge a consultant's suitability to carry out a particular project are:

- professional competence
- managerial ability
- availability of resources
- impartiality
- fairness of fee structure
- professional integrity
- quality assurance system

The client should seek information on all these matters by:

- obtaining comprehensive written pre-qualification information from the consultant in a form appropriate for the assignment;
- interviewing senior personnel identified for the assignment;
- if necessary, visiting the premises of the consultants and examining systems and methods of work as well as hardware and software capabilities;
- where applicable, speaking to previous clients.

St. Mel's Cathedral, Longford © PUNCH

Professional Competence

The competent professional consultant will be able to offer the client a team that will have the education, training, practical experience and judgement to carry out the project.

The client can evaluate the professional competence of the team by examining;

- the detailed resumes of key staff members and their relevant experience on similar assignments;
- the list of similar projects carried out by the firm and present staff;
- the approach to and methodology for the proposed assignment.

In addition, the client should validate the performance of the consultant on similar previous assignments with owners and examine the performance history of the consultant in similar foreign countries.

Managerial Ability

To successfully achieve project objectives, a consultant must have managerial skills to match the size and type of the project. The consultant will need to marshal skilled manpower and adequate resources, maintain schedules and ensure that the work is planned in the most efficient manner. The consultant will need to be able to deal competently with contractors, suppliers, loan agencies, government agencies and the public during the course of the project. At the same time, the client must be informed of the development of the project to be able to make decisions quickly and accurately.

The client can assess the managerial ability of the consultant team by examining;

- past projects performance record;
- the documentation and project control procedures which guide the performance of the consultant's services;
- the success record of the proposed project manager on previous projects;
- the project management and quality control approach proposed for the new assignment;
- the progress reporting and client communication techniques proposed for the assignment;
- the success rate on previous projects of the consultant in transferring technology.

Availability of Resources

When selecting a consultant it is important to establish whether the firm has sufficient financial and manpower resources to carry out the project to the necessary detail and standards commensurate with the time and fee schedule. This will indicate the extent to which the firm's current resources are committed. The client should verify that the consultant has sufficient staff available at the relevant experience levels and that there are sufficient financial resources to carry out the work.

The client can validate the adequacy of the consultant's resources by reviewing:

- the number of qualified professional and managerial personnel committed to the project team;
- the deployment of the project staff and how the team will be organised with lines of responsibility;
- the staff commitments to other work for the duration of the proposed project;
- the new assignments to projects of a similar size conducted by the consultant;
- the credit worthiness of the firm;
- the ready access to supporting resources;
- the proximity of the firm's offices to the proposed work.

Impartiality

When the client employs a consultant who is a member of one of FIDIC's member associations, such as ACEI, the client has the assurance that the consultant subscribes to FIDIC's Code of Ethics, is competent, and provides impartial professional advice.

The consultant is remunerated solely by the fees paid by the clients. The consultant has no commercial ties that could prejudice their impartial judgement.

"ONE FACTOR, QUALIFICATIONS, FAR OUTWEIGHS ALL OTHER CONSIDERATIONS IN RETAINING CONSULTANTS, ESPECIALLY PRICE."

THE INSTITUTE FOR MUNICIPAL ENGINEERING,
A DIVISION OF THE AMERICAN PUBLIC WORKS ASSOCIATION

"THE GOALS OF DESIGNER SELECTION SHOULD NOT INCLUDE MINIMISING FEES. MAKING FEES PART OF THE SELECTION PROCESS WILL NOT SAVE TAXPAYERS MONEY. RATHER, THE PRACTICE IS LIKELY TO INCREASE THE ULTIMATE COSTS OF THE PUBLIC BUILDING SYSTEM DUE TO REDUCTION IN DESIGN QUALITY...."

WARD COMMISSION

If the consultant is a member of a consortium, they may be remunerated from the proceeds of the consortium. In this case, the consultant must consider the consortium partners to be clients.

The consultant is therefore able to approach all assignments objectively and by exercising sound professional judgement and prudent economic principles, can provide solutions to serve the clients best interests.

The client may wish the consultant to furnish an affidavit confirming that no potential conflict of interest in the performance of the proposed assignment exists.

Fairness Of Fee Structure

Consultants need to be adequately compensated to ensure that they are able to provide high-quality services with proper attention to detail, alternative considerations, innovation and cost-effective solutions.

Consultants must maintain highly competent staff through continuous education and training initiatives and give constant attention to research and development to maintain state-of-the-art expertise and up-to-date equipment and technology.

The fee structure should be adequate to achieve the objectives of the project and meet the expectations of the client. At the same time, the fee must generate a reasonable profit for the consultant so they can remain in business ready to serve the client with well trained, experienced staff and the latest in innovative approaches.

Thomond Park Limerick © PUNCH

One Opera Square, Limerick © PUNCH

Professional Integrity

Mutual trust and integrity represent the oil in the machinery of the relationship between client and consultant. Without it the machine becomes inefficient, hot through friction and finally can come to a standstill. If absolute trust exists between the client and the consultant and both parties have integrity, then the project will run more smoothly, the results will be better and both parties will be happier. These very factors of mutual trust and integrity are the reasons why consultants are commissioned by the same client again and again.

SELECTION PROCEDURE

In the scarce financial resources environment of today, the quest must be for the best possible solutions for the client and the end user. This requires the use of appropriate technology, innovative solutions, the lowest life cycle cost, all executed with prudent resource utilisation, environmental sensitivity and sustainability. The end user deserves the best the consulting profession can deliver and that quality comes from top qualified firms at a competitive price. A selection procedure that allows the consultant to use creativity, innovativeness, experience, seasoned judgement and best practices in the best interest of the client in return for fair and adequate compensation, gives the best results.

Competition between consultants that results in the best quality of services, is of benefit to the client and the public and in keeping with the philosophy of private enterprise. This competition, however, should be based on competence and qualifications. In an environment where investment money and loan funds are in short supply, it is in the interest of all concerned to focus on quality and value.

TERMS OF REFERENCE

Draft the terms of reference for the selection which should include an assessment of the physical magnitude and resource requirements of the project. The required services can be identified under the following headings:

- areas of expertise and categories of service
- a statement of work defining the project
- a time schedule
- regional factors such as geographic location, language, logistics, allowances, duration of commission
- type of contract proposed
- a project budget

PRE-QUALIFICATION

Make a list of consulting firms which appear to be qualified for the project. This is often referred to as the pre-qualification list.

Names of possible consultants can be obtained from a number of sources including:

- ACEI Directory of Members
- persons or organisations that have employed consultants for similar projects by advertisement in the National Press for an "Expression of Interest" providing information on the firm relevant to the project.

SHORTLIST

Draw up a shortlist of not more than three to five consulting firms which appear to be best qualified for the project, bearing in mind the following factors:

- relevant experience
- availability
- capacity to complete the work
- access to support resources
- past performance on client contracts
- location of the firm's office in relation to the work
- political, social and environment or sensitivity
- security level required

REQUEST FOR PROPOSALS

The client may at this stage invite the most suitable consultant to negotiate an agreement on a mutually agreed upon project scope, fee and contract terms. More formally it can write a letter to each of the firms on the shortlist and invite proposals.

A request for proposals should contain at least the following:

- the statement of work, terms of reference and supporting documentation
- submission or closing date
- basis of evaluation
- a statement of information to be included in the proposal
- expected selection date

International Rugby Experience Limerick © PUNCH

"THE COMMON LAW OF BUSINESS PROHIBITS PAYING A LITTLE AND GETTING A LOT"

JOHN RUSKIN FROM 1860

Where appropriate, the request for proposal should also include the following elements which may have influence on the cost of consulting services:

- methodology
- alternatives to be considered; innovation invited
- transfer of knowledge/technology, local participation and training
- detailed target cost estimates for the project
- compliance with desired time schedule

The information required will include:

- past experience with projects of a similar nature
- details of organisation, project control, financial control
- size and responsibilities of staff
- type of organisation and managerial method proposed for executing the work
- quality assurance organisation
- knowledge of local condition
- local resources
- project methodology
- availability of resources
- approach and commitment to technology transfer, if appropriate

To assist the consultant in preparing a proper response to the proposal, the client should encourage the consultant to evaluate the scope of work by visiting the site and by meeting with the client.

ASSESSMENT OF PROPOSALS

Once the proposals are received, the client should systematically evaluate and rank each proposal against the basis for selection outlined in the request for proposal. This process helps to maintain the integrity of the selection process and can involve:

- formation of a selection committee
- a weighting or score for each criteria
- independent evaluation of firms by each member of the selection committee
- individual score sheets being collated and
- a documented record of the selection process being retained

Clients may be assisted in this evaluation process by an independent consultant.

If the project size and complexity warrants it, the client can include in the evaluation interviews of key consultant team members, visits to consultant's premises, discussions with consultant's past clients and project end users and inspections of past projects.

COST EFFECTIVENESS

The correct selection of a top-qualified consultant has major impact on the overall project costs. The decisions made by the consultant in the first five percent of their involvement with a project, have the highest leverage on the life cycle cost of the project. Compared with project life cycle costs, the consultant's fees range between one and two percent. Since life cycle cost impacts between excellent and marginal design can easily exceed the consultant's total fee, it makes no sense to select the consultant on the basis of lowest fee. In an environment where investment money and loan funds are in short supply, it is in the client's best interest to focus on quality and deliver value.

Quality-based selection does not involve consultants preparing costly priced proposals which have the effect of escalating the overall cost of consulting services.

FORMS OF AGREEMENT

When drawing up the contract for consulting engineering services, both the client and the consultant should protect their interests by using the model Conditions of Engagement documents produced by FIDIC or the Institution of Engineers of Ireland.

These standard documents are highly recommended as important instruments for reaching a fair and sound agreement between the client and the consultant.

One or two percent more spent on design costs can save up to 10 or 15 percent of the project.

ACEI OBJECTIVES AND CODE OF CONDUCT

1. OBJECTIVES

The objectives of the Association are:

(a) To promote the advancement of the profession of consulting engineering by:

- Encouraging its members to have regard to the public interest, particularly in the areas of health and safety in the discharge of their duties;
- Seeking to ensure that integrity, competence and quality remain the hallmarks of Association membership and to find ways of encouraging members to uphold these principles;
- Acting for and protecting the interests of practising Consulting Engineers;
- Encouraging its members to deliver a quality service to clients;
- Developing and maintaining a Code of Conduct for members;
- Encouraging its members to carry an appropriate level of Professional Indemnity Insurance;
- Dealing with complaints against members;
- Preparing advisory notes on new legislation and regulations affecting engineering and construction;
- Identifying and seeking to influence the course of emerging issues, at local, European and international levels that will impact on members;
- Preparing and enforcing rules, bylaws and disciplinary procedures for members that recognise natural justice, the demands of society, the changing and competitive nature of the business environment, and the need for a high standard of professional conduct;
- Preparing and keeping up-to-date Conditions of Engagement of Consulting Engineers for contracts of all types;
- Promoting the status of Irish Consulting Engineers by being a voice on their behalf on relevant key issues affecting society;
- Assisting in the development of engineering education through establishment of interfaces with universities, colleges and other accredited Institutions;
- Developing a programme of continuous professional development courses and seminars to enable members and their staff to maintain the necessary expertise in the areas of business, current regulations and codes of standards and best practices within the constantly changing professional, business, legal and regulatory environment in which they operate;
- Ensuring that a strong Irish-based Consulting Engineering profession is developed and strengthened to support the ongoing socio-economic development of the country, including the protection of our heritage and the environment;
- Influencing public bodies on procurement procedures and the use of Quality Based Selection (QBS) for the procurement of consulting engineering services;
- Provide international links to other similar organisations through its membership of International Federation of Consulting Engineers / European Federation of Engineering Consultancy Associations (FIDIC / EFCA).

(b) To associate for consultation and co-operation those engineers who are primarily engaged in practice as consulting engineers in Ireland.

(c) To watch over, promote and protect the interests and rights of the profession of consulting engineering in Ireland.

(d) To afford government departments, professional institutions, public bodies, educational and technical institutions, trade associations and other institutions in Ireland, facilities for conferring with and ascertaining the collective views of consulting engineers.

(e) To assist in the introduction, interpretation and application of rules of professional duties and conduct.

(f) To outline the qualifications and duties of a consulting engineer and their proper relations with their clients, and to provide a standard of accepted consulting engineering practice.

(g) To purchase, lease, hire, occupy or otherwise acquire lands, house, rooms, offices, buildings, wharves, quays or depots, ships, boats, hulks, and other real or personal property, and any right, easement or privilege necessary or convenient for the purpose of carrying out the objects and purposes of the Association, and for the like purpose to engage or dismiss any person or persons.

(h) To take any gift of property whether subject to any special trust or not for any one or more of the objects of the Association.

(i) To sell, manage, lease, mortgage, dispose of, invest or otherwise deal with all or any part of the property of the Association.

(j) To borrow money with or without security as may be deemed necessary and expedient for carrying out the purposes of the Association.

(k) To draw, make, accept, endorse, discount, execute and issue promissory notes, bills of exchange, bills of lading, warrants and debentures and other negotiable and transferable instruments.

(l) To establish and support, and to aid in the establishment and support of any other association formed for all or any of the objects of the Association

if considered desirable by the Association.

(m) To contribute to any benevolent fund, for benefit of the members, if considered desirable by the Association.

(n) To secure mutual support and co-operation among its members.

(o) At the discretion of the Association to assist, protect and indemnify members who may, on the direction of the Association, help either in carrying out the objects of the Association or in giving effect to its decisions or desires, or who may be injured or prejudiced by reason of their giving effect to any such decision or desire. Provided always that the Association shall not support with its funds any object or endeavor to impose or procure to be observed by its members or others; any regulation, restriction or condition which, if an object of the Association, would make it a trade union.

(p) To do all such other things as are incidental or the Association may think conducive to the attainment of the above objects or any of them.

(q) To do all such other things as are incidental or the Association may think conducive in order to uphold the Code of Conduct of the Association.

CODE OF CONDUCT

1. Role of the Association

The Association is a professional body representing the business and professional interests of firms and individuals engaged in the practice of Consulting Engineering. It acts as the voice of the Consulting Engineering profession; assists in resolving issues of importance for clients and consultants alike; and contributes to the development of relevant public policy and papers through involvement in working groups, government committees, and related fora.

2. Code of Conduct

The Association believes that it is essential that its Members should always act in an ethical and principled manner, and it therefore requires all Members to abide by a strict Code of Conduct which is supported by a written Complaints Procedure.

2.1 General

In carrying out its professional duties, an ACEI Member shall:

- Have full regard to the needs of society to protect the public interest;
- Recognise the fundamental role that a healthy, functioning environment has for the wellbeing of society and that this is under threat from climate change;
- Act consistently with the United Nations' 2030 Agenda for Sustainable Development;
- Preserve the integrity of the profession of consulting engineers; and
- At all times provide an impartial service of high quality in accordance with this code.

2.2 Standards & Codes

- Members shall endeavour to respect and comply with the regulations, standards and codes of practice appropriate to their profession and to the task entrusted to them.

2.3 Competence & Standards of Training

- Members shall maintain knowledge and skills at levels consistent with development in technology, the needs of the environment, legislation and management and exercising reasonable skill care and diligence in the services rendered to the client.
- Members shall perform services only when competent to perform them.
- Members shall be committed to the principle of professional development of the management team and should undertake appropriate programmes of staff training.

2.4 Professional Control

- Members shall organise their work for a client in such a way that it is under the direct control of appropriate professionally qualified or suitably experienced persons.

2.5 Remuneration

- Members shall be remunerated solely by the client. No direct or indirect benefit shall be received from any other party.
- Remuneration agreed between a member and its client should be such as to enable the Member to carry out its responsibilities to the client adequately in every respect.
- Members shall neither offer nor accept remuneration of any kind which in perception or in effect either: (a) seeks to influence the process of selection or compensation of Members and / or their clients or (b) seeks to affect the member's impartial judgement.

2.6 Impartiality

- Members shall be impartial in the provision of advice, judgment or decisions.
- Members shall inform the client of any potential conflict of interest that might arise in the provision of services to the client
- Members shall not accept remuneration which prejudices independent judgment.
- Members shall not accept from any persons or company, any kind of favour which might compromise the impartiality of the member's decision, or prejudice their duties to their client.
- Members shall not be the medium of payments made on their client's behalf (unless specially so requested in writing by their client) but shall only issue certificates or recommendations for payment.

2.7 Conflict of Interest

- Members shall avoid all conflict of interest with their client.
- Members shall promptly inform clients of any shareholdings, association, connections or other commercial interests which the client might consider

would impair the impartiality of their professional advice or the quality of their service.

2.8 Fairness to Others

- Members shall neither carelessly nor intentionally do anything to injure the reputation or business of others.
- Members shall neither directly nor indirectly knowingly attempt to take the place of another member already appointed for specific work.
- A Member shall build its professional reputation on the quality of its service and shall not compete unfairly with others.
- A Member shall not pay, or offer to pay, any commission or contribution in order to secure or retain work.
- A Member shall not falsely, maliciously or recklessly, directly, or indirectly, injure the professional reputation of another member.

2.9 Reviewing the Work of Others

- A Member shall not knowingly review or appraise the work of another engineer for the same client, without notifying such engineer.

2.10 Taking Work Over

- A Member shall not take over the work of a fellow Member, for the same client, unless it has satisfied itself, as far as it reasonably can, that the connection of such Member with the work has been terminated; that the legitimate interests of the member have been protected, and that it has notified the member concerned and received a request in writing from the client to take over the work.
- A Member shall not take over the work of another member until that Member's appointment has been terminated by the client in writing.
- A Member shall not knowingly solicit project work from a client who has a Member or Members already engaged for the same project.

2.11 Clarity of Engagement

- Members shall ensure that the terms of their engagements are clearly stated and in writing.

2.12 Quality Management

- Members are encouraged to adopt and maintain a system of quality management.

2.13 Indemnity Insurance

- Members shall maintain appropriate professional indemnity insurance cover.

2.14 Working Overseas

- The Association is a member of the International Federation of Consulting Engineers (FIDIC) and of the European Federation of Engineering Consultancy Associations (EFCA).
- Members shall order their conduct according to the rules and standards of those bodies when working in a country where a member of those bodies is constituted.

2.15 Bringing the Association into Disrepute

- A Member shall not by its actions bring the Association into disrepute.
- A Member shall not act, or conduct itself in a manner which is, in the opinion of the Executive Committee, prejudicial to its position as a Consulting Engineering enterprise, or to the interests of the Association or its Members.
- A Member shall not knowingly act in a manner derogatory to the honour, integrity or dignity of the Association or any of its Members.

2.16 Advertising of Services

- Discreet advertising is permitted. Such publications and expressions of opinion shall be moderate and discreet in tone and content, factual and capable of verification or if not so capable of verification then clearly made as expressions of opinion.
- A Member shall not unfairly criticise either explicitly or by implication the work of another member.
- Statements shall not in any way bring discredit to the Association or to the profession.
- Signboards or plates may be placed on Members' premises or on work sites.
- Commemorative tablets or inscriptions bearing Members' names may be placed on completed works.

2.17 ACEI Ethics Committee

- Members shall co-operate fully with the ACEI Ethics Committee in any inquiry with regard to a complaint brought against a member under this Code of Conduct.
- Members shall abide by the decisions of the ACEI Executive Committee.

3. COMPLAINTS AGAINST A MEMBER COMPANY OR AN ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

The Association is seriously concerned at all times with any breaches of the Constitution or Code of Conduct of the Association and views with particular concern any action by a member or an ACEI Registered Fellow Consulting Professional Engineer which may directly or indirectly injure the professional interest of another member or the Association.

Allegations regarding breaches of the Code of Conduct shall be considered by the Association's Ethics Committee which is one of the Advisory Committees established by the Executive Committee. The ACEI Code of Conduct is mainly concerned with the ethical standards and the propriety of actions taken by members. The ACEI Executive Committee shall undertake to assist where possible in the resolution of a complaint made by a client(s) against a member or a complaint made by a member against another member.

In relation to a complaint against an ACEI Fellow Professional Consulting Engineer (FConsEI), if in the judgment of the Executive Committee it is appropriate to do so the matter shall be referred to the Ethics & Disciplinary Committee of the respective Chartered Institution of the person concerned.

CONDITIONS OF ENGAGEMENT

Ballycorkey Bridge, Westmeath © PUNCH

ACEI and Engineers Ireland issued revised Conditions of Engagement in 2020:

- Agreement SE 9101 for the appointment of a consulting engineer for structural engineering work, and
- Agreement ME 2000 for the appointment of a consulting engineer for building services engineering work where the engineer is not the lead consultant.

With the exception of the individual services to be delivered by the consulting engineer, SE 9101 and ME 2000 are very similar.

The main changes to the documents relate to the following issues:

- The major changes to Building Control Legislation following the introduction of BC(A)R, S.I. 9 of 2014,
- The revisions to Health & Safety Legislation in relation to domestic clients, with the Safety, Health and Welfare at Work (Construction) Regulations 2013, S.I. 291 of 2013,
- The setting out of the normal allocation of design team responsibilities in relation to drainage,
- The elimination of the Memorandum of Agreement,
- The definition of the information to be provided by the client to the consulting engineer where BIM and /or digital deliverables are specified for a project.

There are also a number of other changes to individual clauses throughout the documents, particularly in relation to additional services.

The revised documents carry forward previous critical clauses in relation to liability:

- Limit on Liability
- Net Contribution Clause
- Consequential Loss
- Collateral Warranties

For the benefit of both clients and consultants, the Association strongly recommends the use of these new Conditions of Engagement Agreements for the appointment of consulting engineers.

ACEI considers that the revised documents now reflect the up-to-date legislative situation in the industry, and that they will be very beneficial in the provision of a comprehensive and professional service to clients.

Note: Hard copies of the new Conditions of Engagement documents are available from both the ACEI and Engineers Ireland offices.

ACEI ASSOCIATION OF CONSULTING ENGINEERS OF IRELAND

DIRECTORY OF MEMBERS

2026

GLOSSARY

Explanation of Engineering Disciplines

Civil Engineering
Arterial Drainage
Bridge and Dam Construction
Land Reclamation
Road and Highways
Sewage Treatment and Disposal
Site Investigation and Developments
Water Treatment Storage and Supply
Industrial Effluent and Pollution Control
Irrigation Systems
Environment Studies

Structural Engineering
Foundations
Building and Structural Frames

Mechanical Engineering
Steam Boiler Plants and Distribution Systems
Calorifies Plants
Water Treatment & Filtration
Dust Extraction & Collection
Fire Protection & Prevention
Compressed Air & Vacuum Systems
Pneumatic Conveyors
Hospital Services
Laboratory Services
Fuel Oil Storage & Distribution
Gas Fuel Supply & Distribution
Piping Systems
Cooking & Catering Equipment
Laundry Equipment
Sterilising Equipment & Systems
Conveyor Systems & Mechanical Handling Plant
Refuse Collection & Disposal Systems
Vibration Control
Sound Insulation & Control
Acoustical Design & Treatment
Piped Waste and Soil Systems
Industrial Effluent and Flue Gas Treatment

Marine Engineering
Sea and River Dredging
Sea Walls and Erosion Protection
Jetties, Wharves and Harbours
Marine Structures

Traffic Engineering
Traffic Studies
Transport Systems

Electrical Engineering
Electrical Generating Plant
Main & Emergency Supply Systems
H.T. & L.T. Distribution and Sub-Stations
Internal Distribution Systems
Illumination Engineering
Power Systems & Supply
Instrumentation
Street & Area Lighting
Hoists, Escalators & Lifts
Communication Systems
Fire Detection and Alarm Systems
Time Recording and Display Systems
Public Address, Personnel - Location and Call Systems
Radio and Television Installation
Central Distation Systems
Lighting Protection Systems

Heating, Ventilating and Air-Conditioning
Heat Generators
Heating Installations
Hot and Cold Water Storage and Distribution
Refrigeration & Cold Storage
Air-Conditioning Installations
Ventilation Systems
Thermal Insulation

Explanation of Abbreviations

A	Associate
AM	Associate Member
AIEE	American Institute of Electrical & Electronic Engineers
ASCE	American Society of Civil Engineers
ASHRAE	American Society of Heating, Refrigeration & Air-Conditioning Engineers
BA	Bachelor of Arts
BAI	Bachelor in Arte Ingeniaria (Engineering)
BE	Bachelor of Engineering
BSc	Bachelor of Science
CEng	Chartered Engineer
CIArb	Institute of Arbitrators
CIBSE	Chartered Institution of Building Services Engineers
DCT	Diploma in Concrete Technology
DEM	Diploma in Engineering Management
DIC	Diploma of the Imperial College of Science & Technology
DipEng	Diploma in Engineering
DLA	Diploma in Liberal Arts
DPA	Diploma of Public Administration
Eur Ing	European Engineer
F	Fellow
FB	Faculty of Building
FConsEI	ACEI Fellow Professional Consulting Engineer
Grad	Graduate
ICE	Institution of Civil Engineers
IEE	Institution of Electrical Engineers
IEI	Institution of Engineers of Ireland
IF	Institute of Fuel
IHT	Institution of Highway and Transportation
IHVE	Institution of Heating & Ventilation Engineers
IIMH	Irish Institute of Materials Handling
IMarE	Institution of Marine Engineers
IMechE	Institute of Mechanical Engineers
IMunE	Institution of Municipal Engineers
Ing.EurEta	EurEta Registered Engineer (European Higher Engineering and Technical Professionals Association)
InstME	Institution of Maintenance Engineering
InstP	Institute of Petroleum
INSTWPC	Institute of Water Pollution Control
IPHE	Institution of Public Health Engineers
IStructE	Institution of Structural Engineers
IWEM	Institution of Water and Environment Management
IHEEM	Institute of Healthcare Engineering and Estate Management
InstE	Institute of Energy
InstPet	Institute of Petroleum
InstTE	Institute of Transport Engineering
InstWPC	Institute of Water & Pollution Control
IOR	Institute of Refrigeration
IOSH	Institute of Safety and Health
IPHE	Institution of Public Health Engineers
IPI	Irish Planning Institute
IProjMng	Institute of Project Management
M	Member
MA	Master of Arts
MAI	Master in Artia Ingeniaria (Engineering - TCD)
MASc	Master of Applied Science
MBA	Master of Business Administration
MEM	Master of Engineering Management
MEng	Master of Engineering
MConsEI	Member of Association of Consulting Engineers of Ireland (ACEI)
MConsE	Member of Association of Consulting Engineers (UK)
MCGI	Member of the City and Guilds of London Institute
ME	Master of Engineering
MEngSc	Master of Engineering Science
MIE	Master of Industrial Engineering
MSc	Master of Science
PhD	Research Degree – Doctor of Philosophy
Pind	Diploma in Industrial Engineering (Madrid University)
PE	Professional Engineer (Licence to practice in a State of the USA) Professional Engineer (Licence to practice in a province of Canada)
RConsEI	ACEI Registered Professional Consulting Engineer
RIAI	Royal Institute of the Architects of Ireland
RSH	Royal Society for the Promotion of Health
RTPI	Royal Town Planning Institute
SFPE	Society of Fire Protection Engineers (US)
SLL	Society of Light and Lighting
SM	Student Member
VDI	German Association of Engineers

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Stephen McQuade,** BEng (Hons), CEng, MIEI, MIStructE, FConsEI

TOTAL EMPLOYEES

8

ABOUT THE FIRM

2HQ is an engineering consultancy firm offering the full spectrum of civil and structural engineering services to the construction and property sectors and also bespoke expert engineering services to the insurance and legal sectors. Our vision is to provide a single point of service for fully coordinated engineering design and project management that constantly exceeds the expectations of project stakeholders.

ENGINEERING ACTIVITIES

Civil, Structural, Traffic, Transportation, Project Management, Health and Safety, Building Investigations and Remediation.

PROJECT TYPES

Residential, Commercial, Industrial, Conservation and Refurbishment, Education, Temporary Works, Roads, Planning Applications, Design & Build, Office, Public Sector, Leisure, Building Surveys, Expert Engineering.

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **EUR ING Senior Ing.EurEta Kevin P. Tracey**
  CEng, DipEng, DEM, MCGI, FIEI, FCIBSE, FSLL, FInstME, FConsEI

TOTAL EMPLOYEES

1

ABOUT THE FIRM

Formerly Engineering Design and Management (EDM). The firm was established in 1997 and has gained a reputation for high quality design and service in the building services industry both nationally and internationally. International experience has been gained in England, Holland, Italy, Libya, Egypt, Nigeria, Sudan, the Kingdom of Saudi Arabia, Japan and the United States of America. It is the mission of the firm to deliver technically innovative, sustainable and cost effective engineering solutions to clients on time and to the highest level of national and international standards of excellence, quality and safety.

The firm is affiliated to a number of professional engineering bodies including Engineers Ireland, Association of Consulting Engineers of Ireland, Chartered Institution of Building Services Engineers, Society of Light and Lighting, European Federation of National Engineering Associations and European Association of Practice-oriented Professionals with Higher Education.

ENGINEERING ACTIVITIES

Sustainable Building Services Engineering, Mechanical Engineering, Electrical Engineering, Health and Safety, Fire Safety, Data Communications and Infrastructure, Vertical Transportation, Specialist Lighting, Low Energy and Sustainable Solutions, Energy Audits, Building Refurbishments, Maintenance Engineering, Building Services Insurance Claims, Accident Investigations, Forensic Engineering, Project Management, Project Monitoring, Cost Management, Certification and Sign-offs.

PROJECT TYPES

Office Developments, Health Care Facilities, Pharmaceutical Plants, Clean Rooms, Data Centres, Industrial/Production Facilities, Warehouses, Educational Buildings, Embassies, Agricultural, Social Housing, Community Centres, Religious Buildings, Hotels/Apartments/ Housing, Private Dwellings, Sports and Leisure, Shopping Centres, Airport Facilities, Information and Communications Technology Projects, Lighting Projects, Refurbishment Projects, Historic Buildings, Temporary Installation Projects, Accident Investigations and Forensic Engineering.

AECOM

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

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TOTAL EMPLOYEES

350

ABOUT THE FIRM

AECOM in Ireland is a leading provider of integrated design consultancy services to a wide range of public and private sector clients. We have been involved in developing some of the biggest hospitals, prestigious commercial and residential developments, busiest roads and most complex contaminated land schemes across Ireland. We also pride ourselves on providing specialist services to niche and unique schemes to improve local communities. Staff in our five offices across Ireland are supported by more than 50,000 colleagues around the world. This means our clients have access to the range of skills and expertise of a global company, with the knowledge and responsiveness of a local business. From feasibility studies and detailed designs, through to site supervision and commissioning, AECOM can assist with any element to secure a valuable and effective outcome. We also offer professional advice on training, technical studies, value engineering and value management services.

AECOM launched when a handful of employees from design and engineering companies shared a dream of creating an industry-leading firm dedicated to making the world a better place. AECOM became an independent company formed by the merger of five entities with our predecessor firms having distinguished histories dating back more than 150 years. AECOM is the world's premier infrastructure firm with an unrivaled heritage delivering design, planning, engineering, consulting and construction management solutions.

ENGINEERING ACTIVITIES

Project & Program Management, Cost Management & Quantity Surveying, Energy, Sustainability Services, Mechanical and Electrical Engineering, Architecture, Health & Safety, Building Surveying, Civil and Structural Engineering, Bridges, Development Planning, Transportation, Water, Environmental Engineering, Ground Remediation, Façade Engineering, Lighting, Transport Planning and Advisory, Roads, Active Travel and Greenways, Pavements, Asset Manager, Rail Engineering, Environmental Assessment, Economics, Air & Noise, Ecological Assessment, Cultural Heritage, and Landscape Architecture.

PROJECT TYPES

Airports, Bridges, Business Case and Economic Appraisals, Bus Interchanges & public transport infrastructure, Commercial Property, Commercial Fit-outs, Data Centres, Entertainment Venues, Greenways and Active Travel, Factories and Storage Facilities, Hotels, Highways & Roads, Hospitals, Maritime & Ports, Museums, Prisons, Public Realm, Courts, Manufacturing/ Pharma/I.T., Energy, Leisure Centres, Arenas and Stadia, Social Infrastructure, Science, Industry & Technology, Healthcare, Residential, Shopping Centres, Flagship Stores and Retail Parks, Rail and Light Rail, Road Safety, Traffic Systems & Junction Upgrades, Universities, Colleges and Schools, Laboratories and Research Facilities, Landscape Architecture and Water.

AGL CONSULTING

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

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TOTAL EMPLOYEES

6

ABOUT THE FIRM

AGL Consulting is one of the leading geotechnical engineering consulting firms in Ireland. We are an independent Irish-owned company based in Dublin. The company was set up in January 2001 by Dr. Eric Farrell and Conor O'Donnell to provide expert consulting and design services in the fields of geotechnical engineering, engineering geology and hydrogeology.

Since its inception, AGL has worked on a diverse range of projects including tunnels, waterfront structures, motorways, flood control schemes, pipelines, water treatment systems, power stations, windfarms and large scale commercial and residential developments. We have worked on many of the technically challenging landmark civil projects in Ireland including the Dublin Port Tunnel, Limerick Tunnel PPP Scheme, Corrib Onshore Gas Pipeline and Dublin Port Alexandra Quay Development.

We have been involved in the earthworks design for over 150 km of motorways around Ireland, and the geotechnical design of a large number of windfarm projects, many of which had challenging geotechnical conditions on unstable upland blanket peat bogs or reclaimed tidal mudflats. We have provided expert geotechnical design services for large commercial developments with deep basements in congested urban settings such as the Dublin Central Shopping Centre and the Dundrum Town Centre.

Through our work we have gained extensive and invaluable experience in design and construction in a variety of ground conditions throughout Ireland, the UK and abroad. Our clients include many of the leading large civil contractors in the country, as well as a number of engineering consulting firms, local authorities, and property developers.

It is our mission to the deliver technically innovative and cost-effective geotechnical designs to our clients on-time and to the highest international standards of excellence, quality and safety.

ENGINEERING ACTIVITIES

Foundation Design – Piling and Spread Footings, Earth Retaining Structures and Excavation Support Systems, Tunnelling, Micro-Tunnelling and Pipe-Jacking, Earthworks Design for Civil Works, Slope Stability Analysis in Soil and Rock, Ground Anchors and Anti-Flotation Tension Piles, Ground Improvement Techniques, Geotechnical Instrumentation, Desk Studies and Walkover Surveys, Environmental Impact Statements (Soils & Geology), Ground Investigations, Geotechnical Interpretive and Design Reports.

PROJECT TYPES

Geotechnical Risk Management, 2D and 3D Finite Element Analysis, Groundwater Modelling, Construction Over Soft Ground, Temporary Works Designs, Expert Witness for Arbitration and Conciliation.

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RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEERS

- **Simon Rhoden,** BSc (Hons), PGDip, CPP APMP, MInstLM

TOTAL EMPLOYEES

50 in Ireland

ABOUT THE FIRM

We are a leading provider of full life-cycle engineering, operations and decarbonisation solutions for transport infrastructure and complex facilities. Our purpose is to deliver sustainable infrastructure solutions, enhancing life and protecting our shared future. We combine exceptional expertise in consulting and design, advisory and analytics, transport infrastructure and complex facilities to design, manage, and maintain clients' assets throughout their lifetime. Our leading data and analytics capability enables us to create transformative solutions that strengthen resilience and drive sustainable improvements.

ENGINEERING ACTIVITIES

Safety Management System Review Service, Signalling Cable Design, Condition Monitoring Design, Signage Design, Transmission Systems Commission, Geotechnical Monitoring Design and Installation, Bridge Strike Monitoring Design, Signalling Consultancy Service, Plain Line Design, Tunnels Design, Scour Investigation Service, Scour Protection Design, Civil Engineering Consultancy Service, Highway Engineering Service, Roadways Design, User & Footpath Crossing Surfacing Design, Track Consultancy Service, Light Rail Vehicles inc. Metros and Trams Design, Trackside Equipment Design, Electrification Consultancy Service, Train Performance Simulation Service, System Integration Design, Biodiversity & Ecological Studies Service, Environmental Site Investigation Service, Civils & Track Estimating Service, Design & Architect Services Service, Management Consultancy Service, Telecomm Cabling (Co-Ax) Design.

Track Safety Training (NSAR) Service, Signal Lenses Design, Mechanical Backdrive operations (design, commission, install, and maintenance), GEC Geographical operations (design, commission, install, and maintenance), Signal Control Panel NX operations (design, commission, install, and maintenance), ATP Equipment operations (design, commission, install, and maintenance), AWS Track Equipment operations (design, commission, install, and maintenance), Signalling Cable operations (design, commission, install, and maintenance), CIS operations (design, commission, install, and maintenance), Overhead Line Monitoring operations (design, commission, Install, and maintenance), Plain Line (Absolute Geometry) operations (design, commission, install, and maintenance), Track Drainage operations (design, commission, Install, and maintenance), Scour Protection operations (design, commission, install, and maintenance), Electrical Installations operations (design, commission, install, and maintenance), Trackside Equipment operations (design, commission, install, and maintenance), System Integration operations (design, commission, install, and maintenance), Traction SCADA operations (design, commission, install, and maintenance).

PROJECT TYPES

Commercial, Nuclear, Defence, Rail, Highways, Healthcare, Ports, Energy, Residential, Prisons, Protected Structures / Historical Buildings, Transport planning.

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- **Joe Burns,** BE CEng MIEI MIStructE, FConsEI

TOTAL EMPLOYEES

850

ABOUT THE FIRM

Arup is the creative force at the heart of many of the world's most prominent projects in the built environment and across industry. With 95 offices across 34 countries, Arup has 18,000 designers, engineers, consultants, project managers and technical specialists delivering innovative projects around the world with creativity and passion. We offer a broad range of professional services that combine to make a real difference to our clients and the communities in which we work. We have been delivering landmark projects since our foundation in Ireland in 1946. Arup is one of the largest consulting engineering practices in Ireland, providing multidisciplinary engineering and advisory services from our offices in Dublin, Cork, Belfast, Galway and Limerick. We have built a reputation for unrivalled quality, local expertise and knowledge. With an enduring set of values and sense of purpose, our unique trust ownership fosters a distinctive culture that encourages collaborative working. This allows us to develop meaningful ideas, help shape agendas and deliver results that frequently surpass the expectations of our clients. The people at Arup are driven to find a better way and to deliver better solutions. Sustainable development is central to all our work. Through our diverse and expanding range of disciplines, we strive to shape a better world by designing safe, inclusive and resilient communities, infrastructure and cities.

ENGINEERING ACTIVITIES

Advisory Services, Asset & Facilities Management, BIM, Business Investor Advisory, CFD, Civil, Controls, Cost Consulting, Digital Property, Electrical, Energy, Environmental, Façade, Fire and Public Health Engineering, Ground Engineering, Health & Safety and Risk Management, Information and Communications Technology, Intelligent Mobility, Lighting, Masterplanning & Urban Design, Mechanical, Planning, Project & Programme Management, Road Pricing, Site infrastructure design, Site location and assessment, Structural, Sustainability, Transport Planning, Wellness consulting

PROJECT TYPES

Aviation, Highways, Bridges/Civil Structures, Rail, Water, Flood Risk Management, Maritime, Energy, Social Infrastructure, Commercial Property, Science, Industry & Technology, Healthcare, Residential, Mixed Use and Education.

ATKINSRÉALIS

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Dundalk - Block 5, 3rd Floor, Quayside Business Park, Mill Street, Dundalk, Co. Louth. A91 C6CR
T: +353 (0)1 810 8000

FConsEI- ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Martina Finn,** BEng CEng MIEI, FConsEI
- **Cormac Woods,** BSc(Eng), DipStructEng, PGradDip(H&S in Construction),CEng, MIEI, FIStructE. Grad IOSH, RConsEI

TOTAL EMPLOYEES

450 ROI
250 NI

ABOUT THE FIRM

AtkinsRéalis is a world-leading professional services and project management company dedicated to engineering a better future for our planet and its people. We create sustainable solutions that connect people, data and technology to transform the world's infrastructure and energy systems. AtkinsRéalis employs 38,000 staff worldwide, and more than 400 people in Ireland, with offices in Dublin, Cork, Galway, and Dundalk. AtkinsRéalis also has an office employing 250 people in Belfast. We became AtkinsRéalis following a global rebrand in September 2023, which unified our SNC-Lavalin, Atkins, and Faithful + Gould businesses under a single global brand.

ENGINEERING ACTIVITIES

Civil Engineering, Structural Engineering, Mechanical Engineering, Electrical Engineering, Fire Safety Engineering, Geotechnical Engineering, Water Engineering, Health and Safety/PSDP, Environmental Sciences, Ecology, Digital Services, Sustainable Design, Architecture, Transport Planning, Building Surveying, Quantity Surveying, Project & Programme Management.

PROJECT TYPES

Transportation, Rail, Roads, Bridges, Active Travel, Infrastructure, Aviation, Ports, Energy, Buildings, Housing, Healthcare, Life Sciences, Education, Data Centres, Water, Environmental.

AXISENG M&E LTD

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FConsEI- ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Cian Dowling,** BSc (Hons) Eng, Dip Eng, CEng, MIEI ,FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEERS

- **Rachel McKenna,** BEng, CEng, MCIBSE, DipProjMgt, LEED AP, RConsEI
- **Bryan Dolan,** CEng, BEng(Hons), MIEI, RConsEI

TOTAL EMPLOYEES

41

ABOUT THE FIRM

Axiseng is a well-resourced, independent building services consultancy practice formed in 2004. We have established a reputation for consistently delivering a high quality service across a broad range of projects including large commercial developments, institutional refurbishments and complex industrial installations. Our directors are well known in the construction industry for their integrity, expertise and project commitment, and are recognised leaders in the fields of sustainable design, complex air conditioning installations and master planning major developments. The size of our practice allows the directors to maintain a strong personal presence throughout the full duration of every project.

ENGINEERING ACTIVITIES

Mechanical and Electrical Building Services, Sustainable/ Energy Engineers, Energy Modelling, Daylight/Sunlight Analysis, Net Zero Carbon Solutions, Heating / Ventilating and Air-Conditioning, Medical Gas Design, Project Management, Fire & Security Engineering, ICT & Communication Systems, Vertical Transportation Engineering, MEP Cost Control, 3D Building Information Modelling (BIM), BCAR Inspection / Reporting, Public Lighting, Value Engineering.

PROJECT TYPES

Commercial, Retail, Pharmaceutical, Education, Hotel, Sports and Leisure, Energy Audits, Health Care, Religious, Residential, Prisons, Industrial, Exhibition Spaces, Sports Stadia Facilities, Protected Structures / Historical Buildings, Hospitals, Mixed-use Developments, Shopping Centres, Master planning, Nursing Homes, Institutional, Heritage.

BARRETT MAHONY CONSULTING ENGINEERS

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E: bmce@bmce.ie

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OFFICES

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Ciarán Kennedy,** BSc(Eng), DipStructEng, CEng, MIEI, MIStructrE, FConsEI
- **Brian Mahony,** BE, DipCompEng, CEng, MIEI, MIStructE, FConsEI
- **John Considine,** BE, CEng, MIEI, MIStructE, FConsEI
- **Stephen O'Connor,** BSc(Eng), DipStructEng, CEng, FConsEI
- **Vincent Barrett,** BSc(Eng), DipStructEng, MSc, DIC, CEng, MIEI, MIStructE, FConsEI
- **Michael Hughes,** BEng, CEng, MIEI, MIStructE, MICE, Eur Ing, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEER

- **Liam Heffernan,** BSc(Eng), DipStructEng, MSc(Eng), CEng, MIEI, MIStructE, MIBCI, RConsEI

TOTAL EMPLOYEES

100

ABOUT THE FIRM

Barrett Mahony Consulting Engineers (BMCE) is a civil and structural engineering consultancy established in Dublin in 1994. BMCE is a progressive practice specialising in all aspects of civil and structural engineering, with offices in Dublin and London. The directors and staff have extensive experience in both public and private sectors across a broad range of projects including residential, commercial, industrial and institutional developments, with a particular specialist expertise in the refurbishment of heritage buildings. The BMCE practice ethos is to foster a positive problem solving approach amongst staff whilst always maintaining a quality-assured service with primary emphasis on technical excellence and cost-effective design. BMCE recognise the need to continuously invest in its staff and technology in order to provide competitive and up-to-date services to its clients. The company has comprehensive policies developed and in place in relation to quality assurance, health and safety and continuing professional development. The firm is focused on providing a quality assured service to its clients whilst ensuring that it complies with its responsibilities under health and safety legislation both as designers and as employers. As employers, it is also keen to promote career satisfaction and progression for the benefit of individual and organisational success. BMCE has received numerous awards and accolades for projects where they have provided noteworthy designs.

ENGINEERING ACTIVITIES

Structural, Civil, Project Management.

PROJECT TYPES

Construction Commercial, Retail & Office, Residential, Mixed Development, Education, Master Planning, Industrial Developments, Bridges, Healthcare, Institutional, Restoration & Protected Structures, Church Refurbishment, Government Departments, Multistorey Car Parks.

BCE, BELTON CONSULTING ENGINEERS LTD

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T: +353 (0)1 429 5774

E: info@bcge.ie

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Shane Belton,** BScEng CEng, FConsEI

TOTAL EMPLOYEES

8

ABOUT THE FIRM

Belton Consulting Engineers is a Dublin-based consulting engineers company, offering expertise in mechanical, electrical, and public health engineering. Sustainability and energy conservation is at the core of what we do. Our ideology is centred on three core pillars:

To optimise client investment through simple yet innovative design with a goal to maximise client return.

To deliver better design through our unique structured process system, utilising systemisation to deliver consistency and quality in all our projects.

To be 'easy to get along with'. We pride ourselves on our staff's ability to problem solve, be proactive and flexible and effective communicators.

How we Deliver Quality Design – E3D Process
Extract – Our engineers are trained to ask better questions – we don't make assumptions, there is no guessing. Our mantra is give them what they want not what we think they want. How do we deliver this? Through clarifying the design goals and working in collaboration with the design partners.
Define / Design – Our objective is to mitigate risk of budget creep, lockdown scope, and correlate technology to maximise efficiency and keep it simple.
Deliver – Our aim is to deliver quality and consistency through benchmark processes. To engage in proactive problem solving. To be flexible yet creative and always adhere to the age-old adage 'the value is in the finishing'.

Belton Consulting Engineers' strengths lie in our communication and collaboration skills making us strong team players in any design team.

ENGINEERING ACTIVITIES

Building Services, Medical Gas Design, 3D Building Information Modelling (BIM), Energy Engineering, Heating / Ventilating and Air-Conditioning, Sustainable Engineering Design, Project Management, Fire & Security Engineering, Services Cost Control, BCAR Inspection/Reporting, Vertical Transportation Engineering, ICT & Communication Systems.

PROJECT TYPES

Offices / Commercial / Light Industrial, Heavy Industrial Decarbonisation, Retail, Laboratories,Third Level Sector, Clean Rooms, Retail, Hospitals / Healthcare Buildings, Residential, Heritage, Leisure Facilities, Public Buildings, Schools, Hospitals, Refurbishment, Bridges, Roads, Ports and Harbours, Surveys, Hotel & Leisure, Courtroom Facilities.

BDP

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Patrick Kavanagh,** BE, CEng, MIEI, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEER

- **Brian West,** MSc, CEng, MIEI, FCIBSE, FIHEEM, RConsEI

TOTAL EMPLOYEES

1,350

ABOUT THE FIRM

BDP is a multi-professional practice providing a high quality, integrated design service for the built environment. We have offices in Ireland, Britain, Netherlands, Canada, India, China and the Middle East. We have been working successfully in Ireland for over 50 years offering a wide spectrum of professions and skills. Our integrated service is supported by the latest technology and computer-aided design and we are able to network skills and experience around the practice to the benefit of our projects. We also operate an 'all through' Quality Management System, which meets the requirements of ISO 9001 and an Environmental Management System which meets the requirements of ISO 14001.

We are passionate about designing sustainable, low energy buildings and for over 30 years our Dublin team has worked closely with our clients to deliver design solutions that minimise carbon emissions.

ENGINEERING ACTIVITIES

Mechanical and Electrical, Structural, Civil, Specialist Lighting, Acoustics, Heating, Ventilation and Air Conditioning, Dynamic Simulation Modelling, Low Energy / Low Carbon / Sustainable Design, BER Certification, BREEAM Assessors, LEED, WELL, WIRED, Life Cycle Assessments.

PROJECT TYPES

Education, Hospitals / Healthcare, Offices Developments / Fit Outs, Hotels, Residential, Mixed-use Developments, Commercial, Industrial, Shopping Centres, Leisure / Sports Centres, Historic Refurbishment, Master planning.

BJS CONSULTANTS

1 Marble Hill, Boreenmanna Road, Cork. T12 RY8R

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E: info@bjsconsultants.com

W: www.bjsconsultants.com

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Brendan Sheehan,** CEng, MIStructE, FConsEI

TOTAL EMPLOYEES

9

ABOUT THE FIRM

BJS Consultants was formed in 1998 by Brendan Sheehan, Chartered Structural Engineer with over 30 years' experience working with major consultancies in Ireland and overseas. The firm has completed a wide variety of projects and has the resources to provide a complete package for our clients. We offer a high quality, cost effective civil, structural and environmental engineering service with the emphasis placed on a personal service to the client. This ensures that our clients deal directly with the same team who are responsible for their project from start to finish. We also have ISO 9001 and ISO 14001certification.

ENGINEERING ACTIVITIES

Civil, Structural & Environmental, Engineering, Temporary Works Design, Project Management, Site Supervision, Surveys & Monitoring.

PROJECT TYPES

R&D and Industrial Facilities, Schools, Healthcare Facilities, Sports/Leisure Facilities, Refurbishments of Old and Historical Building, Property Surveys, Vibration and Noise, Monitoring, Temporary Work Design.

BLACK & WHITE ENGINEERING (IRELAND) LTD

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E: dublinenq@bw-engineering.com

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Simon O'Brien,** CEng, BScEng(Hons), MA, Eur Ing, MIEI, MCIBSE, FConsEI
- **Gerard Keating,** CEng, MIEI, FCIBSE, MIHEEM, UTI-ATD DIP. Proj. Management

TOTAL EMPLOYEES

31

ABOUT THE FIRM

Black & White Engineering is a multi-award winning global engineering consultancy, with 1000 staff distributed across offices in the UK, Europe, Middle East, Asia and Australia. We have been providing a wide range of engineering and design consultancy services since 2007. Our key sectors are data centres, commercial, healthcare and life sciences. Our growing global presence allows us to draw upon our own widespread resource base and react to market and project demands, with ownership retained by our designated delivery team.

Our extensive BIM and REVIT resource deployed throughout our offices provides integrated solutions to RIBA Stage 5 and beyond. The ability to call upon international support through our Global Design Hub ensures deadlines are always met and programmes maintained.

We are renowned for providing greater levels of clarity in our design documents and hence de-risking projects at all stages. Our engineers and our work have been recognised by our peers within the industry on numerous occasions. Our awards and recognitions total over 100 in the past decade.

Our management systems are to the following standards:
• ISO 9001:2015 Quality Management System
• ISO 14001:2015 Environmental Management System
• ISO 45001:2018 Occupational H&S Management System

We are affiliated to a number of professional bodies including Engineers Ireland, Association of Consulting Engineers of Ireland, Chartered Institution of Building Services Engineers, American Society of Heating, Refrigeration and Air-Conditioning Engineers, Institute of Healthcare Engineers and Estate Managers and the European Federation of National Engineering Associations.

ENGINEERING ACTIVITIES

MEP, CFD

PROJECT TYPES

Data Centres - Mission Critical Design

Healthcare - Life Sciences - Commercial

BRACKFIELD CONSULTING LTD

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Swords, Co. Dublin. K67 PD63

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E: info@brackfieldconsulting.com

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Kevin Brackfield,** BEng (Hons), CEng, MIStructE, MIEI, FConsEI

TOTAL EMPLOYEES

3

ABOUT THE FIRM

Founded in 2009 by industry expert Kevin Brackfield, Brackfield Consulting Ltd. is a premier engineering consultancy offering comprehensive engineering and architectural services. With over 30 years of experience and a track record as a Director of Off-Site Construction Design Ltd and B&E Consultants, Kevin has built a firm rooted in excellence and sustainability. At Brackfield Consulting, our commitment is to shape a better future through responsible engineering and architectural excellence. Brackfield Consulting prioritizes green design and ethical practices, delivering tailored solutions that balance innovation, quality, and environmental responsibility.

ENGINEERING ACTIVITIES

Civil & Structural, Temporary Works, Architectural, Report and Advisory, Conservation, Project Management.

PROJECT TYPES

Structural/Architectural, Temporary Works Design, Restoration of Historic Buildings, Residential, Industrial, Educational, Commercial, Pyrite, Reporting and expert witness services.

BUNNI & ASSOCIATES LTD

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E: bunni@eircom.net

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Nael G. Bunni,** BSc, MSc, PhD, CEng, FIEI, FICE, FIStructE, FCIArb., FIAE, FConsEI

TOTAL EMPLOYEES

2

ABOUT THE FIRM

In 1994 Dr Bunni established the firm of Bunni & Associates Ltd. and has continued to practice his engineering activities. Until March 1994, Dr Bunni was a Senior Director of T.J. O'Connor & Assoc., Consulting Engineers, Dublin, which was established in 1937. He joined the above firm in 1969.

ENGINEERING ACTIVITIES

Civil & Structural, Forensic Engineering, Dispute Resolution, Construction Insurance.

PROJECT TYPES

Expert Adviser in Dispute Resolution, Arbitrator in International Dispute, Conciliator, Arbitrator in Domestic Dispute, Dispute Board Member.

CARRAIG CONSULTANTS

11 Avondale Road, Killiney, Co. Dublin. A96 HK50

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E: ciaran.macintyre@carraigconsultants.com

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Ciarán MacIntyre,** BAI, CEng, MIEI, MIStructE, MCIArb, FConsEI

TOTAL EMPLOYEES

1

ABOUT THE FIRM

Carraig Consultants was established in 2009 by Ciarán MacIntyre as an independent niche consultancy with a particular focus on structural design, project management and report and advisory work. Ciarán is an ACEI Registered Chartered Engineer with more than 40 years' engineering consultancy experience in the built environment. He is committed to taking personal charge from inception to completion of all work undertaken by Carraig. Ciarán was a Director of P.H McCarthy & Partners from 1997 to 2007. In October 2007 PH McCarthy & Partners was acquired by WYG Ireland and Ciarán became a Director of WYG Engineering. He continued to work with WYG until October 2009 when he set up Carraig Consultants.

ENGINEERING ACTIVITIES

Structural, Civil, Conservation, Project Management, Report & Advisory, Value Engineering, Dispute Resolution.

PROJECT TYPES

Residential, Commercial, Industrial, Health, Educational, Restoration & Conservation.

CHH CONSULTING ENGINEERS

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T: +353 (0)71 916 1844

E: info@chh.ie

W: www.chh.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Paul Henry,** BScEng (Hons), Dip Eng, Eur Ing, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

10

ABOUT THE FIRM

Established in 1981 as Concannon Healy Heffernan and recently re-branded to CHH Consulting Engineers. Predominantly based in the north-west but expanding to cover a large area of Ireland.

ENGINEERING ACTIVITIES

Civil & Structural.

PROJECT TYPES

Site Developments, Water Supply & Drainage, Residential Developments, Retail & Office Developments, Civic & Public Buildings, Building Restoration Projects, Hotel & Tourism Developments, Hospital & Healthcare Projects, Sports Hall & Leisure Projects, Third Level Colleges, School & Education Facilities, Banking & Institutional Projects, Energy & Wind farm Projects.

CIVIC

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W: www.team-civic.com

OFFICES

35 Virginia Street, Merchant City, Glasgow. G1 1TN

Carver's Warehouse, 77 Dale Street, Manchester. M1 2HG

1 Saw Mill Street, Water Lane, Leeds. LS11 5WE

Reeds Wharf, 33 Mill Street, London. SE1 2AX

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Isla Jackson, Director,** BEng (Hons), MBA, CEng, MIStructE, Eur Ing, MIEI, FConsEI, SER-C, AAPM, NEBOSH

TOTAL EMPLOYEES

8 based in Ireland (Wider Civic Team = 200)

ABOUT THE FIRM

Civic is a team of system thinkers in the built environment.

At the forefront of engineering design, we create inspirational structures and places that have a positive impact on the environment and enable people to lead healthier and happier lives in the Republic of Ireland.

We are focussed on the planning, design and delivery of major public realm projects, urban infrastructure and building structures to the Nation State.

Team Civic is united by its creative belief, bringing art and science together to solve complex problems. Civic has over 200 members of the team across studios in Dublin, Manchester, London, Leeds, and Glasgow. Its largest disciplines, engineering, have been operating since 2013. We now have teams delivering geoconsultancy, archaeology and built heritage, placemaking, community engagement, environmental and sustainability.

Civic. Thriving Together.

ENGINEERING ACTIVITIES

Civil, Structural, Transport (including active travel) and Building Services Engineering.

PROJECT TYPES

Residential, Bridges, Education, Retail, Healthcare & Life Sciences, Commercial, Heritage, Landscape & Urban Infrastructure, Active Travel, Sports & Leisure, Arts & Culture, Institutional Building, Industrial, Hotels, Hospitality, Transport Buildings, Policy and Guidance.

CLANDILLON CIVIL CONSULTING

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Tom Meagher,** BE M.Sc.Eng CEng FIEI FConsEI

TOTAL EMPLOYEES

26

ABOUT THE FIRM

Clandillon Civil Consulting (CCC) is an Irish civil engineering consultancy operating since 2014, with offices in Naas, Cork and Navan. From its roots working with many of Ireland's largest civil engineering contractors, CCC has assisted delivery of some of Ireland's largest and most complex infrastructural schemes, including the Dunkettle Interchange Upgrade Scheme, N4 Collooney to Castlebaldwin Road Scheme, Luas Cross City, N17N18 Gort to Tuam PPP Scheme, N5 Westport to Turlough Project and most recently, Bus Connects - Liffey Valley to City Centre Scheme. In addition, CCC has assisted numerous local authority clients on a range of road, greenway and active travel projects, including the N19 Shannon Airport Access Road, Ballina to Dromineer Greenway, Limerick to Scariff Greenway, Letterkenny Active Travel Scheme Bundle, Limerick Active Travel Schemes and N63 Major's Well, to name but a few examples.

Our organisation provides an integrated design and project management service across civil, structural and environmental services. Our extensive design capabilities enable us to define and provide sustainable and cost-effective solutions to meet our clients' needs in both the public and private sector. We offer a turn-key service from feasibility studies, through to planning, detailed design, procurement, contract administration, construction supervision and handover.

ENGINEERING ACTIVITIES

Civil Engineering, Structural Engineering, Project Management, Environmental Services, Technical Advisory.

PROJECT TYPES

Linear infrastructure including Roads, Greenway and Active Travel, Light Rail, Priority Bus Routes, Structures, Water and Wastewater, Energy (Wind and Solar Farm Civil and Structural Services), Environmental.

CLIFTON SCANNELL EMERSON ASSOCIATES

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OFFICES

Unit 4D Fingal Bay Business Park, Balbriggan, Co. Dublin

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Geoff Emerson,** BE, MSc(Eng), CEng, MIEI, FConsEI
- **Aidan Smith,** Dip Eng, BSc(Eng), MSc(Eng), CEng, MIEI, A.IOSH, FConsEI
- **Ronan Geoghegan,** BE, Dip Proj Man, CEng, MIEI, FConsEI
- **Pauraic Matthews,** BE, Tech Dip, Tech Cert, CEng, MIEI, FConsEI
- **Caroline Butler,** BE, MEngSc, CEng, FConsEI
- **Barry Dorgan,** BE, P.Grad.Dip.Proj.Mgt, CEng MIEI, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEER

- **Laura Peare**, BEng(Hons), Tech Dip Eng, CEng MIEI, RConsEI

TOTAL EMPLOYEES

115

ABOUT THE FIRM

Clifton Scannell Emerson Associates is a firm of civil and structural consulting engineers incorporated in 1986 and originally founded in 1952.

Our 70+ years of expertise covers a range of civil, structural, transportation and environmental engineering as well as project management. We pride ourselves in delivering engineering and management skills to give optimum value and sustainable solutions to our valued clients.

We are certified with ISO 9001:2015 Quality, ISO 45001:2018 Health & Safety, ISO 14001 Environmental and ISO 19650-2 BIM 2. CSEA is also certified as a CPD Accredited Employer with Engineers Ireland.

ENGINEERING ACTIVITIES

Civil, Structural, Transportation, Environmental, Project Management, Project Supervisor Design Process (PSDP).

PROJECT TYPES

Roads, Bridges and Transport Schemes including Cycle Network Schemes, Bus Corridors and Green Routes, Public Realm Upgrades and Improvements.

Site Development, Water and Drainage Schemes, Airport Facilities, Bridge Design and Assessment, Building Assessment and Refurbishment.

Data Centre Developments, Industrial and Business Parks, Commercial / Industrial / Office / Civic Buildings, Conservation and Restoration, Prison Facilities, Heritage Centres, Hospitals and Healthcare Projects, Cemetries and Crematoriums, Multi-storey Car Parks and Transport Depots, Residential Developments, Universities / Colleges / Schools.

Large Catchment Studies, Masterplanning, Transportation Studies, Traffic Impact Assessment and Mobility Plans.

CORA CONSULTING ENGINEERS

Behan House, 10 Lower Mount Street, Dubln 2.
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OFFICES

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **John Pigott**, BE, Cert Eng Tech, CEng, MIEI, FConsEI
- **John Casey**, BE, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

37

ABOUT THE FIRM

CORA Consulting Engineers was founded in 2005 (then Casey O'Rourke Associates) to provide high quality structural and civil engineering design services.

The philosophy at CORA is to work in conjunction with architects and clients to support their aims and aspirations and to use our creative ability and innovative thinking, along with all available technology, to achieve the desired building or structure.

We promote a culture of creativity, innovation and quality in the firm and we are always striving to produce a better, more economical solution with a low embodied carbon.

ENGINEERING ACTIVITIES

Structural & Civil Engineering. Conservation & Renovation of Historic Structures. Temporary Works Design.

PROJECT TYPES

Office Developments, Commercial, Residential, Historic Buildings, Conservation, Protected Structures, Renovation, Mixed Use Developments, Industrial, Process/Pharmaceutical & Low Embodied Carbon Design of structures.

CS CONSULTING GROUP

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OFFICES

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Pearse Sutton,** CEng, BSc(Eng), DipStructEng, FIEI, MAPEGS, FIStructE, DipEnvEng, Eur Ing, LEED Assoc, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEER

- **Cian Twomey**, BEng (Hons), CEng, MEng, MIEI, RConsEI
- **Luke McNamee**, BSc (Eng), CEng, BSc CIOB, MIEI, MIStructE, RConsEI
- **Mark McEntee**, BSc Eng, CEng, MIEI, MIStructE, RConsEI

TOTAL EMPLOYEES

50

ABOUT THE FIRM

Established in 2012, CS Consulting is a dynamic civil, structural & traffic engineering consultancy delivering practical, innovative, and buildable engineering solutions for projects across Ireland and internationally. We are trusted by public and private sector clients to provide intelligent, responsive design input from concept to completion — always grounded in real-world constructability, compliance, and cost-awareness. We specialise in the design of buildings and infrastructure that serve communities — from residential and commercial developments to education, healthcare, and industrial projects. Our talented team engineers, technicians and support staff combine deep technical knowledge with a collaborative, solutions-driven approach to meet the specific needs of each project and client.

We hold accreditation to ISO 9001, ISO 14001 and ISO 45001 demonstrating the highest commitment to quality, environmental and health and safety. At CS Consulting, we believe that engineering should add value, simplify complexity, and make development easier for our clients.That's what we do — every day.

ENGINEERING ACTIVITIES

Structural Engineering, Civil Engineering (and associated structures), Traffic & Transport Engineering, Technical Due Diligence, Feasibility Studies, Sustainability, Conservation & Adaptive Reuse.

PROJECT TYPES

Residential/Mixed Use, Industrial, Office/ Commercial, Healthcare, Housing, Apartments, Infrastructure Projects, Bridges, Environmental Projects, Refurbishment Projects, Public Sector Projects, Design-Build Construction, Education, Hotel, Retail and Leisure.

C S PRINGLE

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E: info@cspringle.com

W: www.cspringle.com

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Marcus Dancey,** BSc(Eng), DipEng, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

10

ABOUT THE FIRM

CS Pringle is a multidisciplinary practice of Chartered Engineers supported by in-house architectural and building surveying capability. We provide civil and structural engineering services across industrial, commercial and residential sectors, with most projects delivered fully in-house for coordinated design and efficient turnaround. The practice places strong emphasis on first principles engineering, practical sustainability and the integration of related construction disciplines. We act as retained engineers for several major manufacturing industries, where our engineering versatility and responsiveness support longstanding client relationships.

ENGINEERING ACTIVITIES

Civil, Structural, Fire, Assigned Certifier, Project Supervisor Design Process, Sustainable Design.

PROJECT TYPES

Commercial/Retail, Industrial/Warehousing, Mixed Use Developments, Resource/Recreational Centres, Educational Buildings, Healthcare Buildings, Sports Facilities, Hotel and Leisure Facilities, Housing Retrofits, New Housing Developments, Flood Risk Assessments, Conservation Engineering.

CUNDALL LTD

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Gerard Doyle,** BEng(Hons), CEng, MIStructE, MIEI, FConsEI
- **Derry Kearney,** BSc(Hons), BEngTech, CEng, MCIBSE, FConsEI

TOTAL EMPLOYEES

42

ABOUT THE FIRM

The firm was founded in 1976 and has become a global, multi-disciplinary consultancy, delivering sustainable engineering and design solutions across the built environment. With offices in Dublin and a further 29 offices and 1,300+ employees worldwide, we have brought our knowledge and award-winning engineering expertise to the Irish built environment. Our success across multiple sectors stems from our flexibility, responsiveness, and adaptability to the unique challenges, regulations, and local practices that shape project delivery in each region. With staff across the globe, offering a full range of integrated engineering services, we provide highly focused and dedicated teams on our clients' projects, but still at a size where our core values can be effectively applied. Our leadership team leads every project to provide the right experience and guidance throughout the project's life.

ENGINEERING ACTIVITIES

Acoustic Engineering, Building Information Modelling (BIM), Building Automation, Building Performance Services (BPS), Building Services Engineering, PSDP Consultancy, Civil Engineering, Data Centre Infrastructure Management (DCIM), Fire Engineering, Geotechnical and Geoenvironmental, Health and Wellbeing, IT and Audio Visual, Specialist Lighting (Light 4), Planning, Structural Engineering, Survey Solutions, Sustainable Design, Transportation and Vertical Transportation.

PROJECT TYPES

Aviation, Critical Systems / Data Centres, Education, Government, Healthcare, Industrial, Lifestyle, Masterplanning and Infrastructure, Residential, Retail, Workplace and Mixed-use, Energy and Science and Technology.

DAVID KELLY PARTNERSHIP

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Colin Brennan,** BE, CEng, MIEI, FConsEI
- **Dermot O'Shea,** BE, CEng, MIEI, FConsEI
- **John Kelly,** BE, MSc, CEng, MIStructE, MIEI, Conservation Accredited Engineer, FConsEI

TOTAL EMPLOYEES

11

ABOUT THE FIRM

The practice commenced in 1987 and has undertaken a wide range of structural engineering projects, together with civil engineering works such as earth and water retaining structures, storm and sanitary drainage and small bridges. The partnership has a long established practice in historic building conservation, including national monuments and historic buildings and structures. Accredited to ISO 9001:2015.

ENGINEERING ACTIVITIES

Structural, Civil, Statutory Planning, Building Conservation, Fire Safety, Geotechnical.

PROJECT TYPES

Office Buildings, Educational Buildings, Industrial Buildings, Multi-storey Residential Buildings, Retail and Commercial Developments, Infrastructure for Housing Development, Conservation of Historic Buildings and National Monuments, Public Realm Rejuvenation, Quay Wall Repair, Foundation Design in karstified limestone areas.

DAVID REHILL CONSULTING

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T: +353 (0)1 908 1229

E: david@drconsulting.ie

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **David Rehill,** BE, CEng, MBA, Dip Proj Mgt, MIStructE, MIE, FConsEI

TOTAL EMPLOYEES

1

ABOUT THE FIRM

David Rehill Consulting was established in 2022 to provide bespoke engineering advice and solutions to clients in Ireland and the UK. David has over 20 years' experience as project lead on many large multi-million euro residential, commercial, industrial, and mixed-use developments in Ireland, the UK, mainland Europe and the Middle East. He brings a very practical mindset to collaborative workshops and has a wealth of experience in large building projects in a variety of structural forms, such as steel frame, insitu concrete, precast concrete, post-tensioned concrete, modular construction, and historic buildings. David is a Chartered Engineer with Engineers Ireland and the Institute of Structural Engineers.

ENGINEERING ACTIVITIES

Structural Engineering, Civil Engineering, Environmental Engineering, Traffic and Transportation, Technical Due Diligence, Site Feasibility Studies, Planning Applications, Project Management.

PROJECT TYPES

Structural Engineering, Civil Engineering, Due Diligence Reports, Feasibility Studies, Value Engineering, Planning Applications, Protected Structure refurbishment.

DBFL CONSULTING ENGINEERS

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGS

- **Dan Reilly,** BEng, CEng, FConsEI
- **John Hayes,** BScEng, CEng, MIEI, FConsEI
- **John Keane,** BSc (Eng), CEng, MIEI, MICE, FConsEI
- **Kevin Sturgeon,** BEng, MSc, PGDip Const Law, CEng, MIEI, FConsEI
- **Tracy Kearney,** BA, BAI, MSc, PGCert, CEng, MIEI, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENG

- **Declan Haugh,** BScEng, MEng, CEng, MIEI, RConsEI

TOTAL EMPLOYEES

200

ABOUT THE FIRM

DBFL Consulting Engineers is a fully Irish-owned firm, specializing in the planning, engineering design and delivery within the property, infrastructure, environmental & energy sectors, for 38 years. We have a deep connection with our clients and the communities we serve.

We are dedicated to delivering innovative, resilient and sustainable engineering solutions. Our core values - Sustainability, Integrity, Adaptability, Excellence, Innovation, and Inclusivity - are the foundation of everything we do, guiding our approach to each project and helping us stay true to our mission of **Engineering Sustainable Futures**.

DBFL operates an Integrated Management System with NSAI-accredited ISO 9001:2015 NSAI certified Quality, ISO 45001:2018 Health and Safety and ISO 14001:2015 Environmental Management Systems.

As an Engineers Ireland CPD-accredited company and a proud Gold Investors in Diversity organisation, we are committed to recognising the value of creating a diverse, inclusive, and affirming workplace for our staff.

ENGINEERING ACTIVITIES

Civil, Structural, Traffic, Transportation & Transport Planning, Expert Witness, Marine, Sustainable Drainage, Energy, Flood Risk & Management, Geotechnical, Masterplanning, Conservation and Adaptive Reuse, Sustainable Engineering, PSDP, Building Information Modelling (BIM), Water Supply & Sewerage.

PROJECT TYPES

Commercial, Infrastructure, Active Travel, Traffic and Transportation, Contractor Design (D&B), Due Diligence, Residential, Roads, Maritime, Aviation, Public Buildings, Student Accommodation, Data Centres, Expert Witness, Bridge Design & Assessment, Sports Facilities, Hospitality, Education, Public Realm, Healthcare, Conservation & Refurbishment, Industrial & logistics, Retail, Water, Energy Facilities & Infrastructure.

DBS ENGINEERING SOLUTIONS LTD

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Gabriel Dunne,** Director, BEng, MSc, FCIBSE, CEng, FConsEI

TOTAL EMPLOYEES

2

ABOUT THE FIRM

DBS Engineering Solutions Ltd is an independent Mechanical and Electrical consulting engineering practice delivering professional engineering services across the UK and Ireland. The practice provides building services design, technical advisory, and project support services across the public and private sectors. The practice provides responsive and practical engineering solutions tailored to the needs of clients, design teams, and contractors. The company specialises in sustainable, efficient, and cost-conscious building services solutions across a broad range of project sectors. The practice combines hands-on director involvement with a collaborative project approach, allowing clients to benefit from senior technical input throughout all project stages, from feasibility and concept design through to construction and handover.

ENGINEERING ACTIVITIES

Mechanical and Electrical Building Services Engineering, Sustainable Design, Energy Efficient Building Solutions, Energy Modelling in Compliance with TM52, Daylighting Analysis, Embodied Carbon Services, Heating, Ventilation & Air Conditioning (HVAC), Electrical Services Design, Lighting Design, Renewable Energy Integration, Public Sector Consultancy, Technical Due Diligence, Condition Surveys, Feasibility Studies, Building Refurbishment, Decarbonisation Projects, Building Regulations Compliance, BCAR Support, Project Coordination, Tender Documentation, Contract Administration.

PROJECT TYPES

Education, Healthcare, Commercial, Residential, Public Sector Buildings, Community Facilities, Sports & Leisure, Hospitality, Industrial, Refurbishment Projects, Conservation & Heritage Buildings, Mixed-Use Developments, Energy Upgrade Works, Office Fit-Outs, Social Housing, Civic & Institutional Buildings.

DELAP & WALLER

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Michael O'Doherty,** BEng, CEng, MCIBSE, MIMechE, FConsEI

TOTAL EMPLOYEES

20

ABOUT THE FIRM

Founded in Dublin in 1911, Delap & Waller is a Building Services and Sustainable Design Consultancy who are engaged in designing Mechanical, Electrical and Sustainability Systems for all Building types. We have been providing market leading engineering services for end-user Clients, Developers, Main Contractors and Design and Build / PPP Contractors for over 100 years. In addition to our tailored Mechanical & Electrical design services we offer a range of related services including Sustainability Services and specialist Legal Services. As qualified engineers we can produce legal reports on a variety of issues ranging from mechanical or electrical damage to properties, planning permission disputes to accident reports. Some of the sustainable services we offer include: BREEAM Assessments/ BER Certificates/ CFD Modelling / Building Simulation/ Code for Sustainable Homes/ Energy Management/ Environmental Studies and Engineering/Life Cycle Costing/Sustainable Building Services – SBEM & EPC Assessors Some of our recent awards include the ACE Consultancy of The Year and NI Construction Excellence Award in Commercial Development Category.

ENGINEERING ACTIVITIES

Sustainable Building Services, Electrical Engineering, Mechanical Engineering, Energy Management, Health and Safety, Project Management, Accident Investigation, Arbitration and Litigation.

PROJECT TYPES

Commercial/Office, Healthcare/Hospital, Infrastructure, Education; Retail, Hotel/Leisure, Residential/Mixed Use, Heritage/ Museums, Sports Stadiums.

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Cathal Kelly,** BSc Eng, Dip Struct Eng, CEng, MIStructE, MIEI, PGDip (FSP), PGDip (PM), FConsEI
- **Emmet Finegan,** BSc Eng, Dip Struct Eng, CEng MIStructE, MIEI, FConsEI

TOTAL EMPLOYEES

14

ABOUT THE FIRM

Doherty Finegan Kelly (DFK) Consulting Engineers was established in 2003 and specialises in all stages of civil, structural, environmental and fire engineering. With three offices, DFK is well located to provide a high quality service to our client base throughout the country with attention to detail and cost effective solutions being our priority. Each commission is personally supervised by a director who takes an active role in the evolution of the scheme from concept to completion. The company is registered with the Association of Consulting Engineers of Ireland (ACEI) and all technical staff are members of Engineers Ireland and The Institute of Structural Engineers.

ENGINEERING ACTIVITIES

Civil, Structural, Environmental, Fire Safety, Building Surveying & Assigned Certifier, Health & Safety, Legal & Reporting.

PROJECT TYPES

All Types of Business & Retail Parks, Commercial & Industrial Developments, Healthcare & Hospitals, Residential & Domestic Developments, Restoration / Refurbishment, Infrastructural Development Works, Sports & Leisure Facilities including All-Weather Playing Surfaces, Hotels, Nursing Homes & Childcare Facilities, Educational & Schools, Health & Safety & PSDP Role, Legal / Litigation & Expert Witness, Conservation Works, Legal & Planning Reports, Sewerage & Main Drainage, Fire Safety Engineering, Land & Legal Mapping, Percolation & Infiltration Testing & Reports, Storm Water Management, SUDS Design, Roads & Junctions, Project Management, Building Surveying & Assigned Certifier, Value Engineering, Temporary Works Design.

DONNACHADH O'BRIEN & ASSOC CONSULTING ENGINEERS

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Donnachadh O'Brien,** BScEng, CEng, MIEI, DipEng, DipEnvirEng, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEER

- **Paul Doyle,** BE (Hons), CEng, MIEI, RConsEI
- **Richard Kiernan,** BE (Hons), CEng, MIEI, RConsEI
- **Alan Lambe,** BEng, CEng, RConsEI

TOTAL EMPLOYEES

23

ABOUT THE FIRM

Donnachadh O'Brien & Associates is a civil and structural engineering practice and was established in 2010. Donnachadh O'Brien has over 28 years' experience in civil and structural engineering and the practice is involved in the design of a wide variety of projects in both the public and private sector for local authorities, semi-state organisations, institutional companies, private sector companies, private developers and international clients. Our aim is to deliver technical excellence in our design solution in a sustainable and cost-effective manner. We utilise the latest BIM technologies compatible with our civil and structural design software in the delivery of innovative engineering solutions, all in accordance with our I.S. EN. 9001 quality accredited system.

ENGINEERING ACTIVITIES

Structural Engineering, Civil Engineering.

PROJECT TYPES

Commercial Developments, Hotels, Residential Developments including Student Accommodation, Educational Projects, Healthcare, Leisure/Sports including Stadia, Domestic, Conservation Engineering and Refurbishment, Project Management, Infrastructure & Drainage Schemes /SUDS Design, Flood Alleviation Schemes, Temporary Works Design, Value Engineering, Expert Witness & Legal Services.

DON O'MALLEY & PARTNERS LTD

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Liam Kavanagh,** HDip, CEng, FCIBSE, MIEI, MASHRAE, FConsEI

TOTAL EMPLOYEES

14

ABOUT THE FIRM

Don O'Malley & Partners was established in 1967 and is a leading registered consulting engineering practice specialising in Energy and Mechanical & Electrical Building Services Engineering' The company is based in Limerick City and has gained a reputation for high quality design and service in the construction industry. Our project portfolio includes work on commercial, industrial, residential, education, health care, retail, public buildings, culture and heritage buildings, hospitality, custodial and sports and leisure projects.

Our in-house expertise is provided by highly skilled and experienced chartered engineers, degree-qualified engineers and technicians. We utilise the latest energy, mechanical and electrical services design technologies in the delivery of innovative and efficient solutions.

These technologies include IES Virtual Environment Design software, REVIT 3D software and AutoCAD. We are highly experienced in delivering engineering services and design solutions for a range of buildings that are now required to meet the latest standards for compliance with Nearly Zero Energy Buildings (NZEB) regulations.

ENGINEERING ACTIVITIES

Mechanical Electrical and Energy Design Consultancy.

PROJECT TYPES

Commercial, Industrial, CAT A and CAT B Fitouts, Residential, Education, Healthcare, Custodial, Retail, Public Buildings, Culture & Heritage Buildings, Hospitality and Sports & Leisure Projects. Healthcare infrastructure, Manufacturing, Pharmaceutical, Conservation Large Campus Mechanical & Electrical Infrastructure Upgrades.

DOUGLAS CARROLL CONSULTING ENGINEERS

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Pearse Douglas,** CEng, MIEI, BScEng, FConsEI (Managing Director)

TOTAL EMPLOYEES

21

ABOUT THE FIRM

Douglas Carroll Consulting Engineers Ltd was established in 2005 and has two directors: Pearse Douglas (Managing Director) and Ted Carroll (Director/Partner). Douglas Carroll provides a consultant mechanical and electrical engineering service and specialises in low energy design using innovative and sustainable design solutions. We focus on integration of services into the built environment.

ENGINEERING ACTIVITIES

Electrical, Mechanical, Lift Services, Health and Safety, Project Management, Project Supervisor Design Process (PSDP), REVIT Team, Energy Modelling, Energy Audits, Energy Grant Applications.

PROJECT TYPES

Healthcare Infrastructure, Residential, Government, Food Processing, Education, Manufacturing, Commercial, Retail, Conservation, Office Fit-out, Large Campus Mechanical & Electrical Infrastructure Upgrades.

DOWNES ASSOCIATES

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T: +353 (0)1 490 1611

E: admin@downesassociates.ie

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Gavin McHugh,** BE, BSc, MSc, MIStructE, CEng, FIEI, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEER

- **Fulvio Graniero,** (Diploma in Leadership and Management – UCD - University College Dublin, Ireland, MEng Degree, Structural and Geotechnical Engineering - University of Naples, Federico II, Italy, BEng Degree, Civil Engineering - University of Naples, Federico II, Italy, MSc Real Estate - Henley Business School, University of Reading, UK, EUR ING - Engineers Europe, IntPE (Irl) - Engineers Ireland, PE (Ita) - Chartered Engineer - National Council Italian Engineers - CNI, Certificate of "Project Management of Civil Works", Project Management Institute of Southern Italy Chapter, CEng MIEI - Chartered Engineer - Engineers Ireland, RConsEI)

TOTAL EMPLOYEES

26

ABOUT THE FIRM

Downes Associates established in 1997, is a structural and civil engineering consultancy specialising in the delivery of quality civil and structural design solutions. The practice serves a wide range of private and public sector clients throughout Ireland and has extensive experience in the commercial, residential, industrial and institutional sectors. Downes Associates' core objectives are to provide quality structural designs that are functional, elegant, economic and innovative where possible together with quality drawings and details, as these are vital in communicating designs to the client, building contractor and other design professionals. To deliver these objectives Downes Associates employs a fully integrated team of motivated, skilled and highly qualified engineers and technicians. Downes Associates' client base is wide and varied. Since formation, the practice has worked with local authorities, semi-State organisations, institutional companies, private sector companies, private developers and international clients. The wide client base and the very different types of projects successfully completed reflect the varied nature of engineering demands placed on the skill and experience of the staff.

ENGINEERING ACTIVITIES

Civil & Structural.

PROJECT TYPES

Office building, Industrial Developments, Schools, Municipal Buildings, Residential Developments, Retail Developments, Data Centres, Temporary Works, Conservation and Historic, Healthcare.

EGIS

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Eamon Daly,** BE, MEngSc, CEng, MIEI, FConsEI
- **Marcus Fagan**, BEng, CEng, FConsEI
- **Garry Flood**, Dip Eng, BSc(Eng), CEng, FConsEI
- **Steve Preece**, BEng, MBA, FConsEI
- **John Dooley**, BE, PGD, CEng CPE PMP FConsEI
- **Jeff Burt**, B, MIEI, FConsEI
- **Gregory McMahon,** MEng, MBA, CEng, FConsEI
- **Andrew Doyle,** MBA, FConsEI
- **Martin Hogan**, BSc (Hons), MSc, PGD, CChem, FRSC, FCIWM, FIAE, FConsEI, MIEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEER

- **Ben Gaffney,** BE, MENG, CENG, FIEI, RConsEI

TOTAL EMPLOYEES

210

ABOUT THE FIRM

Egis is a leading global architecture, consulting, construction engineering, and operating firm. In Ireland, our consulting engineering division designs and delivers innovative and sustainable projects in water and energy, urban and intercity transportation and structures, urban development, and buildings.

We work with clients to solve complex challenges and to deliver climate-responsible growth that meets the needs of communities, industry and the planet. We work with national and local government, state agencies, contractors, developers, and private clients; our emphasis is on sustainability, social impact and innovation. We aim to enable Ireland's sustainable growth through design, delivery, and operation of essential infrastructure, for a better future for all.

ENGINEERING ACTIVITIES

Civil, Structural, Process, Mechanical, Electrical, Traffic, Transportation, Environmental and Geotechnical Engineering; Quantity surveying, Cost Estimates and Cost Control; Project and Programme Management; Health and Safety/PSDP; Contract Administration.

PROJECT TYPES

Water Supply Networks, Water and Wastewater Treatment Plants, Renewables, Flood Risk Assessments and Relief Schemes, Tunnels, Roads, Bridges, Intercity, Urban, Metro and Light rail, Bus, Active Travel, Traffic, Commercial, Institutional, Industrial and Residential Buildings and Site Development Works.

EIRENG CONSULTING ENGINEERS LTD

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OFFICES

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Conor Hanney,** BSc, ME, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

38

ABOUT THE FIRM

EirEng Consulting Engineers was formed by Terry Sheehan and Jeremy Lamb in 2011 to address the need for engineering services that concentrate on client value and the use of integrated design at reasonable cost. This is achieved through the extensive use of BIM on our projects. We are dedicated to providing our clients with tailor-made solutions that provide the optimal combination of operational efficiency and whole life cost. We build strong and long-lasting relationships with our clients and fellow professionals with whom we interact based on mutual respect and co-operation. We break problems down into clear and manageable components to ensure that all parties are involved. At EirEng we give the same care and attention to detail to a simple house extension as to a multi-million euro, E-commerce, automated facility. EirEng has offices in Dublin and operates in Ireland, the UK and the Middle East. Specialist projects outside of these locations are taken on an individual basis where our particular skills, knowledge or experience can bring our clients a competitive edge.

ENGINEERING ACTIVITIES

Civil Engineering, Structural Engineering, Environmental Engineering, Flooding Studies and Marine Structures, Sustainable Design, Temporary Works Design.

PROJECT TYPES

Commercial Buildings and Mixed Use Developments, Logistics and Retail Developments, E-Commerce and Data Centres, Healthcare, Conservation and Heritage, Educational Buildings at all Levels, Sports & Leisure, Hotels and Car Parks, Residential including House Extensions, Building and Site Repurposing, Civil Infrastructure and Masterplanning, Flooding and Environmental Studies.

ENGENUITI CONSULTING ENGINEERS

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T: +353 (0)66 716 9016

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Robert White**, BEng, BSc(Hons), MEngSc, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

17

ABOUT THE FIRM

Founded in 2019, Engenuiti is the embodiment of over 70 years' collective experience in the architecture, engineering and construction sector. Our expertise shines in Civil & Structural Engineering, shaping projects from roads and bridges to energy initiatives. With a focus on meticulous design and adept project management, our team excels in delivering results that go beyond expectations.

ENGINEERING ACTIVITIES

Civil/Structural engineering, Architecture, Building Services Engineering, Project Management.

PROJECT TYPES

Education, Industrial/Commercial, Life Science, Residential.

ENGINEERING DESIGN CONSULTANTS LTD

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Richard O'Farrell**, BE, BSc, FConsEI

TOTAL EMPLOYEES

110

ABOUT THE FIRM

EDC is an international engineering consultancy specialising in Mechanical, Electrical and Plumbing (MEP) design, BIM, Energy and Sustainability services. With an extensive project portfolio delivered over the past 22 years, we combine global expertise with local knowledge to deliver innovative, sustainable and cost-efficient solutions.

Operating from offices in Ireland, the UK and Istanbul, our multidisciplinary team partners with clients across a diverse range of sectors to shape smarter, more resilient buildings and infrastructure. Known for our forward-thinking approach and commitment to excellence, we ensure quality, coordination and value from concept to completion.

At EDC, we provide progressive MEP, BIM, Energy and Sustainability solutions for a wide range of industries and clients, delivering high-performance, energy-efficient designs that meet the needs of modern buildings and infrastructure. Here at EDC, we believe progressive thinking drives better outcomes. Our solutions are rooted in innovation, sustainability, and practical expertise - giving our clients greater confidence, clarity, and long-term value at every stage of the project.

ENGINEERING ACTIVITIES

Mechanical and Electrical Engineering, Specialist Lighting Design, Vertical Transportation Design, CF Analysis for corridor smoke extract systems, CFD Analysis for car park smoke extract systems, MEP Installation Drawings Package Solution, Building Information Modelling (BIM), Design Audit, Peer Review, Technical Advisory Services, Energy Performance, Thermal Performance, Daylight Performance, Certification (BREEAM, LEED, WELL, BER, HPI), Passive Design Analysis, Solar PV/Thermal Solutions. Cost & Risk Management: Early MEP Risk Audit (EMRA)

PROJECT TYPES

Commercial, Office and Mixed Use, Industrial & Logistics, Residential, Student Accommodation, Hotel, Recreation and Leisure, Healthcare, Education, Pharmaceutical & Life Science, Data Centres, Waste to Energy, Conservation and Restoration.

ENVIRONMENTAL DESIGN PARTNERSHIP

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **James Fogarty,** CEng. FCIBSE, MCiarb/AccMed, MSLL, FConsEI

TOTAL EMPLOYEES

9

ABOUT THE FIRM

Environmental Design Partnership is a modern building services engineering consultancy practice operating for more than 25 years, providing professional, independent services across a broad range of commercial, industrial, leisure, retail, residential, educational, healthcare and energy consultancy sectors. The practice has grown steadily and has gained a reputation for providing innovative and cost-effective quality design solutions.

Our dynamic but personal management provides a thorough understanding and focus on development, design and project management, thus ensuring energy efficiency, life cycle and cost competitiveness for all our developments.

Our highly qualified staff provide experienced, strong technical input and have the necessary expertise for a complete and integrated building services design, this combined with our in-house quality assurance system results in high client satisfaction on projects.

EDP has experience of and is committed to, providing clients with the highest level of design on projects and delivering the projects within budget and programme.

ENGINEERING ACTIVITIES

Mechanical and Electrical Engineering, Heating/Ventilating and Air-Conditioning,Green Technology,Energy Renewables, Industrial Project Management, Fire & Security Engineering, Services Cost Control, Sustainable Engineering Design & Modelling, BER Assessors, DEC Assessors, LEED Assessors, Cost Management & Control, Performance Evaluation/Commissioning.

PROJECT TYPES

Educational Buildings, Hospitals / Healthcare Buildings, Factories / Production, Offices / Commercial, IT Facilities / Communications, Pharmaceutical Clean & Sterile Rooms, Electronic Manufacturing Clean Rooms, Hotels Leisure Centres, Shopping & Centres, Sports Stadia Facilities, Security Installations, Protected Structures / Historical Buildings, Fire fighting & Detection, Automatic Smoke & Environmental Control, Feature & Flood Lighting, Conservation Lighting.

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Eamon O Boyle,** BE, MAI, CEng, FIEI, FConsEI

TOTAL EMPLOYEES

22

ABOUT THE FIRM

Eamon O'Boyle & Associates (EOBA) was established in 2001 by Chartered Engineer Eamon O'Boyle to provide comprehensive consultancy services in fire engineering and public safety. Under Eamon's leadership as Managing Director, the company has grown significantly, earning a reputation for delivering high-quality, innovative, and diverse solutions tailored to clients across various sectors.

EOBA's success is driven by a strong leadership structure that includes directors who work alongside Eamon to guide the company's strategic direction, as well as associate directors who bring specialised expertise and insight to key areas of the business. This cohesive leadership team, supported by a highly skilled group of consultants from both public and private sector backgrounds, ensures that EOBA delivers exceptional results on every project.

EOBA remains dedicated to professional development, ensuring that every team member is equipped to provide innovative and tailored solutions. Together, the team upholds EOBA's reputation as a leader in fire engineering and public safety consultancy.

ENGINEERING ACTIVITIES

Fire Safety Certification Applications, Disability Access Certificates (DAC), Fire Engineering Solutions, Fire Safety Modelling, Life Safety System Specification, Fire Risk Assessments, Construction Inspections, Ancillary Certification (BCAR), Fire Investigations, Emergency Response Plans, Fire Safety Management, Fire Safety Training, Universal Access Design, Health and Safety Services, Expert Witness Services.

PROJECT TYPES

Educational and healthcare facilities, Industrial and manufacturing buildings, Commercial offices and IT centres, Pharmaceutical and electronic facilities, Hotels, leisure, and shopping centres, Sports and entertainment venues, Security and historical structures, Fire detection and suppression systems, Residential Developments, Remediation of Construction Defects.

FAHEY O'RIORDAN CONSULTING ENGINEERS

Shanaclogh, Cappagh, Cappawhite,
Co. Tipperary. E34 WD96

T: +353 (0)62 75929 / +353 (0)87 933 9582

E: info@force.ie

W: www.force.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **John Fahey,** BSc(Eng), MPM, MIEI, CEng, FConsEI

TOTAL EMPLOYEES

3

ABOUT THE FIRM

The practice was established in 2009 and offers a comprehensive range of professional consultancy services in the areas of mechanical and electrical engineering, project management and construction supervision. The practice has a successful track record the delivery of a wide range of projects across all sectors of the industry to both private and public sector clients.

ENGINEERING ACTIVITIES

Mechanical & Electrical, Heating Ventilation & Air Conditioning, Public Lighting, Value Engineering / M&E Cost Control, Project Management, PSDP Services.

PROJECT TYPES

Education, Schools, Crèches, Healthcare, Nursing Homes, Community Centres, Commercial Offices, Industrial Facilities, Sports Centres, Hotel & Leisure, Retail / Mixed Use, Residential, Infrastructure / Business Parks, Public Realm / Urban Renewal, Condition Reports, Feasibility Studies.

FALLON DESIGN

Avocet House, Riverwalk, Arklow Co. Wicklow.
Y14 XD68

T: +353 (0)40 220612

E: mark@fallondesign.ie

W: www.fallondesign.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Mark Fallon,** BEng (Hons) Building Services, CEng, DipPM, FConsEI

TOTAL EMPLOYEES

9

ABOUT THE FIRM

Fallon Design is primarily engaged in providing M&E consulting engineering services. Main engineering activities are mechanical and electrical, BER, Site Services, Planning Consultation, sustainability and water conservation. Designer for residential, mixed developments, commercial and industrial projects.

ENGINEERING ACTIVITIES

M&E, Sustainability, Water Conservation, BER, Site Services.

PROJECT TYPES

Residential, Mixed developments, Commercial, Industrial.

FEARON O'NEILL ROONEY

12 Windsor Place, Lower Pembroke Street,
Dublin 2. D02 W566

T: +353 (0)1 676 6167

E: info@fonr.ie

W: www.fonr.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Jose Poveda,** BSc(Eng), CEng, FConsEI
- **Mark Gill,** BSc(Eng), CEng, FConsEI

TOTAL EMPLOYEES

6

ABOUT THE FIRM

Fearon O'Neill Rooney has over 40 years' experience operating as civil and structural consulting engineers in the construction industry. The practice was established in 1970 by Dermot Fearon. John Rooney and Terry O'Neill subsequently joined the practice in 1973 and 1976 respectively. Jose Poveda joined the firm in 1992 and Mark Gill in 1997 and both became partners in the practice in 2010 following Terry O'Neill's retirement from the office. Terry is currently engaged as a consultant to the practice. Since the firm commenced practice in 1970, personal service has been an important and consistent objective. It has been our policy to employ a compact staff of high calibre with a commitment to self-development and a facility for working as a team. The practice provides an engineering consultancy service to a wide range of clients principally in the fields of civil and structural engineering. Our client base extends from private individuals to national and international private and public institutions. Although the majority of our work is in structural engineering, Fearon O'Neill Rooney has also offered a wide range of civil engineering services over the last 40 years. Fearon O'Neill Rooney encourages, where possible the use of construction techniques that are environmentally responsible and resource efficient, from the initial scheme design stage of each project and throughout the life of the building. Our design approach is based on a commitment to providing the very best civil and structural design service that meets the client's key requirements in terms of programme, cost and quality.

ENGINEERING ACTIVITIES

Civil and Structural Engineering, Project Management, Value Engineering, Sustainable Design, Conservation and Restoration, Expert Witness Services.

PROJECT TYPES

Hospitals, Apartments, Industrial Developments, Office Developments, Brewing Associated Work, Retail Parks/Shopping Centre, Restoration/Conservation, Schools, Churches/Cathedrals, Bridges and Bridge Refurbishment, Housing Developments, Planning Rezoning, Drainage Schemes.

FEHILY TIMONEY & COMPANY

Core House, Pouladuff Road, Cork. T12 D773

T: +353 (0)21 496 4133

E: info@ftco.ie

W: www.fehilytimoney.ie

OFFICES

Unit 3/4, Northwood House, Northwood Crescent, Northwood, Dublin, D09 X899 T: +353 (0)1 658 3500

Unit 6, Bagenalstown Industrial Park, Royal Oak Road, Muine Bheag, Co. Carlow, R21 XW81 T: +353 (0) 59 972 3800

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Sinéad Timoney,** BE, HDip HSWW, CEng FIEI, FConsEI
- **Beren De Hora,** BE, CEng MIEI, FConsEI
- **Jim Hughes,** BA, MSc, HDip, MIPI, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEERS

- **Gene Flynn,** BEng (Hons), CEng FIEI, RConsEI
- **James O'Neill,** BE, MSc, CEng MIEI, MCIWM, CEnv, RConsEI
- **Tom Clayton,** MEng, CEng MICE, RConsEI
- **Trevor Byrne,** BEng, BSc, MSc, Adv Dip, CEng, MIEI, RConsEI
- **Billy Bohane,** BE, CEng MIEI, RConsEI

TOTAL EMPLOYEES

105

ABOUT THE FIRM

Established in 1990, Fehily Timoney and Company has grown to be one of the largest Irish owned civil and environmental engineering, scientific and planning consultancy. Specialising in the delivery of complex projects for our global clients, FT offers a total project management solution, acting as consultants from initial project planning and feasibility through to detailed design, construction supervision, commissioning and handover.

ENGINEERING ACTIVITIES

Circular Economy, Civil Infrastructure, Environmental Science, Energy & Planning, Geotechnical Engineering, Sustainable Infrastructure, Urban Development and PSDP.

PROJECT TYPES

Circular Economy and Environment: Environmental Monitoring, Modelling and Assessment, Contaminated Land, Baseline Emission Inventories, Climate Mitigation, Climate Action Plans, Sustainable Assessments, Public Realm. Civic Amenities, Waste Transfer Facilities, Material Recovery Facilities, Historic Landfills, Leachate and Landfill Gas Management, Land Reuse Assessment, Wetland Specialists, Waste Characterisation, Planning Applications, EIARs, Anaerobic Digestion, Biomethane, Composting.

Energy and Planning: Onshore and Offshore Wind Energy Developments; Utility Scale Solar Energy Developments; Electrical Grid Infrastructure including, HV and MV Substations, Battery Storage and Ancillary Grid Infrastructure. Urban Development including Residential and Commercial Development. Biodiversity Net Gain, EIARs, and Ecological Impact Assessment and Surveys & GIS.

Sustainable Infrastructure: Roads, Utilities, Geotechnical Engineering, Stability Assessments, Bridges, Structures, Drainage, Active Travel, Greenways, Blueways, Industrial, Pharma, Bund and Lagoon Testing and Certification, Transportation (Bus, Rail, Metro), Residential, Ancillary Civil Works, Marine, Coastal, Wind and Solar Farms.

FRANK FOX & ASSOCIATES

7 Bank Lane, Waterford. X91 XA61

T: +353 (0)51 872 799

E: info@ffaeng.com

W: www.ffaeng.com

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Frank Fox,** CEng, Eur Ing, FIEI, MIStructE, FConsEI

TOTAL EMPLOYEES

8

ABOUT THE FIRM

Frank Fox & Associates has established a track record and reputation in Waterford, Southeast Region and abroad. We are very proud to have been involved in the development of major construction projects in the area and to retain the support of our clients. We strive to provide our clientele with flexible economic designs within time and budget constraints.

The firm was founded in 1982, Initially providing a civil/ structural consultancy service for the design, procurement and management of industrial and commercial projects in the Southeast. It expanded steadily to work on a variety of projects nationwide, in the UK and Europe. Its current client base covers a diversity of business and community interests.

ENGINEERING ACTIVITIES

Structural, Civil, Project Management, Health & Safety.

PROJECT TYPES

Airport, Pharmaceutical, Industrial, Retail & Commercial, Banks, Schools, Healthcare, Site Remediation, Residential Development, Sports and Leisure, Hotels.

FUREY CONSULTING ENGINEERS LTD

Olde World Cottage, Rathasker Road, Naas, Co. Kildare, W91PW68

T: +353 (0)45 486 229

E: info@fureyconsulting.ie

W: www.fureyconsulting.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Emmet Furey,** B.E., C.Eng, M.I.E.I., FConsEI

TOTAL EMPLOYEES

7

ABOUT THE FIRM

Furey Consulting Engineers is based in Naas, Co. Kildare. We are consultants to all areas of construction. Furey Consulting Engineers was established in 1994, as an engineering consultants firm to provide services the design of all aspects of construction including drainage, structural engineering, site supervision, inspections and surveys. We have grown considerably from our original concept and have expanded into full design and project management.

While we still are proud to provide a very high quality service in structural and civil engineering, our expansion into architectural and project management is still a major aspect of the services being offered. In the current climate this service has been used by our clients to address specific site problems and, working with them and the local authorities, we have successfully found solutions that have been of major benefit to our clients.

We also work in association with a number of specialist service companies to offer a wide range of integrated services where the combination of the resources allows us offer a comprehensive one-stop shop for all project management requirements.

ENGINEERING ACTIVITIES

Structural and Civil Engineering, Flood Risk Assessments, Planning Services, Assigned Certifier / BCMS Compliance, PSDP (Project Supervisor Design Stage), Fire Consultancy, Disability Access Certificates, Building Information Modelling (BIM), Drainage Design, Building Design, Building Surveys, Re-Zoning Consultancy, Technical Support to the Legal Profession.

PROJECT TYPES

Housing Developments, Site Infrastructural Design, Commercial and Industrial Buildings, Nursing Homes, Schools, Mixed Use Developments, Structural Design for Domestic Projects.

GARLAND

Garland House, 28-30 Rathmines Park,
Dublin 6. D06 F8Y1

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E: info@garlandconsultancy.com

W: www.garlandconsultancy.com

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T: +353 (0)61 319 708

Suite 11B, The Atrium, Maritana Gate, Canada Street,
Waterford. X91 WR40
T: +353 (0)51 876 511

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Kevin Rudden,** BScEng, DipEng, DLS, CEng, FIEI, Eur Ing, FConsEI
- **Brian Kavanagh,** BE, DipProjMgmt, CEng, FIEI, Eur Ing, FConsEI
- **Caimin Jones,** BE, CEng, FIEI.Eur Ing, FConsEI
- **Brian Lahiff,** BE, PGradDip, CEng, MIEI, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEERS

- **Tommy Morey,** BE, CEng, MIEI, RConsEI
- **Simon Dunne,** BEng, MIStructE, MIEI, CEng, RConsEI

TOTAL EMPLOYEES

60

ABOUT THE FIRM

Founded in 1937, Garland is an international consulting engineering firm that has worked in over 30 countries worldwide. We provide a full range of civil and structural consulting engineering services, starting from feasibility study to detailed design and construction administration. We also offer specialist services in construction safety management, project management and planning, as well as social and economic development. Our highly experienced teams are renowned for prestigious work within the healthcare, educational, infrastructure, commercial and residential sector.

ENGINEERING ACTIVITIES

Structural, Industrial, Planning, Civil, Project Management, Coastal Protection, Refurbishment, Environmental, Marine, Traffic, Geotechnical, Fire, Health and Safety, Assigned Certifier, Project Supervisor Design Process (PSDP).

PROJECT TYPES

Airport, Civil, Data Centres, Commercial, Educational, Healthcare, Hotels, Industrial, Public, Residential, Private Dwellings, Refurbishment, Retail, Sports and Leisure.

GDCL CONSULTING ENGINEERS LTD

Scope House, Whitehall Road West, Perrystown,
Dublin 12. D12 K8PP

T: +353 (0)1 563 8342

E: info@gdalyconsulting.com

W: www.gdalyconsulting.com

OFFICES

Bridge House, 16 Rossa St, Clonakilty, Cork. P85 EW66

75 Shelton Street, Covent Garden, London WC2H 9JQ
T: +44 (0)20 3286 1540

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Gregory Daly,** MBA, BSCEng, DipEng, Dip Highway & Geotech Eng, CEng, MIStructE, MIEI, DipArb, MCIArb, FConsEI

TOTAL EMPLOYEES

34

ABOUT THE FIRM

GDCL Consulting Engineers provide civil/structural engineering and project management services to a wide range of local and international clients both in the private and public sectors. GDCL Consulting Engineers has a proven track record of successful delivery over 20 years across a wide variety of construction projects including commercial, residential/housing, process/ pharmaceutical, leisure/process, refurbishment and renewables. We have the capability to produce fully integrated BIM models using the latest software/drawing office technology, including Revit.

ENGINEERING ACTIVITIES

Structural Engineering Design: New build and Refurbishment Projects - all materials including reinforced concrete, structural steelwork, precast concrete, masonry, timber. Structural Survey, Temporary Works Design, Structural Strengthening, Blast Resisting Design, Seismic Engineering, Design for Vibration.

Civil Engineering Design: Surface Water Drainage, Foul Drainage, Wastewater Engineering, GMP Containment, Roads, Site Specific Flood Risk Assessment, Traffic Engineering, Earthworks Control, Geotechnical Engineering, Coastal Protection.

Project Management: Design Team Management, Client Representation Contract Administration, Conceptual Design Studies, Feasibility Studies, Code Compliance Specialists, Building Control Regulations, (BCAR / Assigned Certifier). Dispute Resolution, Arbitration (UNCITRAL Model Law), Conciliation, Mediation, Adjudication, Expert Witness, Claims Consultancy.

PROJECT TYPES

Commercial, Residential/Housing, Process/Pharmaceutical, Leisure /Process and Renewables.

GLENN NUNAN CONSULTING ENGINEERS (GNCE)

16 Merrion Row, Dublin 2, D02 CF90

T: +353 (0)1 602 0678

E: glenn@gnce.ie

W: www.gnce.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Glenn Nunan,** BSc Eng (Hons), CEng, FIEI, MCIBSE, ACFE, FConsEI

TOTAL EMPLOYEES

1

ABOUT THE FIRM

GNCE was established in spring of 2010 by Glenn Nunan and provides a Quality Professional Service based on his extensive experience and reputation built over 35 years in the Construction Industry.

We are Mechanical & Electrical Consultants who also specialise in the area of Expert Witness & Legal Dispute Advice Services, which have been provided on a range of high-profile Conciliations, Mediations, Arbitrations & Court Cases.

ENGINEERING ACTIVITIES

Mechanical & Electrical Consulting, Sustainability, Renewable Technologies, Expert Witness, Legal Dispute Advice Services.

PROJECT TYPES

Commercial, Retail, Pharmaceutical, Education, Leisure, Health Care, Public, Agricultural, Residential.

GORDON WHITE CONSULTING ENGINEERS

1st Floor, 8 Riverwalk, Lake Drive, Citywest Campus, Dublin 24, D24 V50F

T: +353 (0)1 479 6396

E: mail@gwce.ie

W: www.gwce.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Gordon White,** BA, BAI, HDipEnvEng, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

1

ABOUT THE FIRM

Gordon White Consulting Engineers was established in May 2016 and is based in modern offices at Riverwalk Plaza in the heart of Citywest Business Campus. Gordon White is a Chartered Engineer with over 25 years' experience in civil engineering design for residential and commercial developments.

ENGINEERING ACTIVITIES

Civil Engineering Design for Residential and Commercial Developments, Sustainable Drainage (SuDS) Design, Civil Engineering Design for Public Realm, Parks & Sports Pitches, Legal Mapping, Topographic Surveys and Digital Terrain Models, PSDP Services.

PROJECT TYPES

Residential Developments from a single house or extension to developments of many hundreds of houses, Commercial Developments from fit-outs to multi-storey office developments, Parks and Pitches, Legal Maps Declarations of Identity Boundary surveys, Water and Wastewater Treatment Plants.

HANLEY PEPPER

Owenstown House, Fosters Avenue, Blackrock,
Co. Dublin. A94 N6D8

T: +353 (0)1 283 2967

E: info@hanleypepper.ie

W: www.hanleypepper.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Joseph Ryan,** BScEng, DipEng, CEng, MIStructE, MIEI, FConsEI
- **Kevin Pepper,** CEng, Eur Ing, MIEI, MIStruct, FConsEI
- **Michael Jackson,** BScEng, DipEng, CEng, MIStructE, MIEI, FConsEI

TOTAL EMPLOYEES

26

ABOUT THE FIRM

Established in 1987 as a specialist consultancy in civil and structural engineering. Hanley Pepper provides service to public and private clients. Projects completed for national and international organisations in Ireland and throughout Europe.

ENGINEERING ACTIVITIES

Structural, Civil, Project Management, Conservation, Project Feasibility Studies, Site Due Diligence Investigations, Sustainability, Legal Representation, Project Supervisor Design Process, Assigned and Ancillary Certification.

PROJECT TYPES

Data Centres, Healthcare, Hotels, Retail, Corporate Office Developments, Housing, Industrial, Sports & Recreation, Educational, Penal, Roads, Drainage, Bridges, Military Defence, Conservation, Masterplanning, Temporary Works Design, Expert Reports, Site Investigations.

HAYES HIGGINS PARTNERSHIP

The Arches, Gas House Lane, Kilkenny. R95 CD79

T: +353 (0)56 7764710

E: info@hhp.ie

W: www.hhp.ie

OFFICES

The Glass House, 11, Coke Lane, Smithfield, Dublin 7. D07 WNP2
T: +353 (0)1 661 2321

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **John Hayes,** BEng, CEng, FIEI, MBA, FConsEI
- **Donal Higgins,** BEng Hons, Ceng, MIEI, FConsEI

TOTAL EMPLOYEES

41

ABOUT THE FIRM

Established in 1980, Hayes Higgins Partnership (2HP) is a multidisciplinary consulting engineering practice, specialising exclusively in Low Energy Building Solutions and infrastructure engineering. 2HP is one of Ireland's leaders in the procurement of Integrated Build Environment Solutions. We have a depth of organisational knowledge through our collective experience, and we can draw upon experience and knowledge of the highest quality and excellence. Using our expertise and innovation, we have worked on a diverse range of projects. Our broad experience as Engineering Consultants has enabled us to develop real expertise in the undertaking of multiple projects concurrently. 2HP is committed to delivering and maintaining an innovative, cost-effective, design-led engineering solution for clients, with a pro-active personal approach. We strive to attain the highest standards of engineering excellence and are at the forefront of innovative design and development techniques. We have a commitment to quality service, underpinned by our accreditation to both Engineers Ireland CPD and IS EN IS0 9001:2015.

ENGINEERING ACTIVITIES

A leading provider of Project Management, Civil & Structural Engineering, Building Services Engineering, Fire Safety Engineering, Environmental Engineering, Transport Engineering, Project Supervisor Design Process (PSDP) and Employers Representative Services.

PROJECT TYPES

Using our expertise and innovation, we have worked on a diverse range of projects including Educational, Healthcare, Commercial, Pharmaceutical, Industrial, Social Housing, Sporting, Conservation, Transport and Roads, Hotels, Custodial, Tourism.

HEAVEY KENNY ASSOCIATES

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E: admin@heaveykennyassociates.ie

W: www.heaveykennyassociates.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **John Carr,** CEng, MCIBSE, MIEI, FConsEI

TOTAL EMPLOYEES

6

ABOUT THE FIRM

Founded in 1989, the company provides mechanical and electrical building services design, monitoring and project management to a high level in the private and public sectors.

ENGINEERING ACTIVITIES

Mechanical and Electrical, Heating, Ventilation, Air-Conditioning, Sustainable Energy, Project Management, Cost Control, BER Modelling.

PROJECT TYPES

Hospitals, Colleges, Retail, Hotels, Office Fit Out, Industrial Developments, Schools, Heritage Buildings, Churches.

HENDRICK RYAN + ASSOCIATES

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E: info@hra.ie

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Peter Ryan,** BA, BAI, CEng, FIEI, MIStructE, MICE, FConsEI

TOTAL EMPLOYEES

6

ABOUT THE FIRM

Formerly Brian Hendrick + Associates, which was established in 1988.

ENGINEERING ACTIVITIES

Structural, Civil, Project Management, Conservation, Project Feasibility Studies, Building Assessment and Remediation, Loss Assessing and Loss Adjusting Investigations, Expert Witness, Legal Representation, Project Supervisor Design Process, Assigned and Ancillary Certification.

PROJECT TYPES

Commercial Developments, Housing Developments, Hotels, Site Development, Industrial Buildings, Apartments, Educational & Health, Leisure, Restoration & Refurbishment, Multi-Storey Car Parks, Structural Assessments, Forensic Engineering.

HORGANLYNCH CONSULTING ENGINEERS (HLCE LIMITED)

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T: +353 (0)21 493 6100

E: info@horganlynch.ie

W: www.horganlynch.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Karel Murphy,** BEng, CEng, MIStructE, MIEI, FConsEI
- **Niall Fitzgerald,** BE CEng MIEI, FConsEI

TOTAL EMPLOYEES

20

ABOUT THE FIRM

Established in Cork 1969 and has an ISO 9001 Quality Management Certification: 2015.

ENGINEERING ACTIVITIES

Civil, Structural, Project Management.

PROJECT TYPES

Stadia Sports & Recreation, Pharmaceutical Industry, Office Developments, Museums, Conservation, Art Galleries, Education Facilities, Healthcare, Medical Devices, High Density Housing, Site Development, Commercial Mixed Use, Residential.

HUGH MUNRO & CO LTD

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T: +353 (0)1 855 4387

E: admin@hughmunro.ie

W: www.hughmunro.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Ciaran Wallace,** BE, MIE, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

8

ABOUT THE FIRM

Hugh Munro & Co. Ltd. is an established consultant engineering firm with particular expertise and focus in the energy sector and associated process industries including pharmaceutical and water treatment. Our well established profile has given us extensive experience working in these sectors and enabled us develop a vast knowledge and capability for delivering a wide range of services. At Hugh Munro & Co. Ltd. we develop a personal understanding of our clients needs and tailor our service delivery to match those requirements. We utilize our proximity to stakeholders, strong relationships, and in-depth local knowledge to effectively achieve objectives.

Hugh Munro & Co. Ltd. is committed to quality, the environment and health and safety. This is recognised through the following certification we receive from the National Standards Authority of Ireland (NSAI) for the provision of multi-disciplinary consulting engineering, project & safety management and turnkey services:

- Quality Management to I.S. EN ISO 9001:2015.
- Environmental Management to I.S. EN ISO 14001:2015.
- Occupational Health & Safety Management to I.S. ISO 45001:2018.

The maintenance of our management system is assured through ongoing in-house audits conducted by Hugh Munro & Co's quality manager and regular inspections by the NSAI. This independent auditing and certification acknowledges the formal policies and procedures we have implemented which are an integral part of Hugh Munro & Co's commitment to achieving excellence in quality, health & safety, and environmental management.

ENGINEERING ACTIVITIES

Front End Engineering with Scoping and Feasibility Studies, Planning, Detail Design, Project Management, Construction Management, Commissioning, Health & Safety including PSDP and PSCS, Environmental, Tankage, Civil & Structural, Mechanical, Process, Electrical & Instrumentation, Control & Automation, Firefighting, Technical Assistance and Advice, Reports and Assessments including EPD – COMAH – Hazop.

PROJECT TYPES

New and Upgrading Plants & Marine Terminals including Loading Facilities and Automation, Tanks including Secondary Containment, Aviation Fuel Depot & Hydrant System, Fire-Fighting Systems at Jetties and Terminals, Bitumen Plants, Process Pipelines, Turnkey Contracting including Tank Assessment and Repair, Wastewater Treatment Plant Upgrade, Asset Integrity and Maintenance, Surveys, Inspections and Audits.

JAE ENGINEERING LTD

Guinness Enterprise Centre, Taylor's Lane,
Dublin 8. D08 WY02

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E: jennis@jaeeng.com

W: www.jaeengineering.com

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Aislinn Tate,** CEng, MIEI, MCIBSE, BScEng (Hons), FConsEI
- **Joseph Ennis,** CEng, FCIBSE, FIEI, FConsEI

TOTAL EMPLOYEES

2

ABOUT THE FIRM

JAE Engineering Ltd. is a specialist consulting engineering practice offering unique engineering solutions to the construction, manufacturing industry and energy sector. The company was formed early in 2012 and has established a reputation relating to specialist engineering solutions for building design and building services. The practice has been set up as a specialist engineering enterprise by Joseph Ennis and Aislinn Tate designed to provide strategic advice to clients. It is a solution-driven company, who strive to achieve its clients' goals with integrity through a knowledge of engineering and construction.

ENGINEERING ACTIVITIES

Building Services Strategic Design, Due Diligence/Building Surveys, Value Engineering, Peer Reviews of Building Services Documentation, Client Liaison to design and construction teams, LEED, BREEAM & WELL Engineering Expertise and assistance in the road mapping to certification, Energy and Sustainability, Building Services Insurance Claims Advice, Technical Advisor for clients, Dispute Resolution-Engineering Systems, Project Audits, Building Services Design Services.

PROJECT TYPES

Commercial, Industrial & Process, Business & Retail, Power and Energy Projects, Health & Laboratories.

JENNINGS O'DONOVAN & PARTNERS LTD

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OFFICES

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **David Kiely,** BE, MSc, FIEI, CEng, MICE, Eur Ing, FConsEI
- **Joseph Healy,** BEng, DipWEng, CEng, Eur Ing, FIEI, TechIOSH, FConsEI
- **Audrey Phelan,** BE, MEngSc, CEng, FConsEI
- **John McElvaney,** BSc (Eng), DipStructEng, PG Dip PM, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

65

ABOUT THE FIRM

Established in 1950, the business focus areas of the company are Ireland, UK and the EU pre-accession countries. The company is ISO 9001, ISO 14001 and ISO 45001 accredited and certified as an accredited employer by Engineers Ireland for the CPD Programme. Jennings O'Donovan & Partners are part of the RSK Group.

ENGINEERING ACTIVITIES

Civil, Structural, Commercial Development, Environmental, Water Supply, Renewable Energy, Pollution Control, Traffic, Wastewater, Project Management, Architectural, Road Design, Health & Safety, Environmental Impact Statements, Planning Applications/ Planning Compliance, Assigned Certifier, Project Supervisor Design Process.

PROJECT TYPES

(Water Sector) – Water Supply Schemes, Sewerage Schemes, Drainage Schemes, Flood Risk Assessments. (Civil & Structural Design) – Industrial, Education, Commercial, Health Sector, Hotel & Leisure, Housing. (Renewables) – Renewables Planning, Renewables Construction, Wind Energy, Solar Energy, Battery Storage, Hydrogen. (Leisure and Tourism) – Leisure Amenities, Greenways, Blueways, Active Travel, Road Design, Sports Facilities.

J.J. CAMPBELL & ASSOCIATES

Unit F1 Nutgrove Office Park, Rathfarnham,
Dublin 14. D14 A895

T: +353 (0)1 298 0538

E: info@jjc.ie

W: www.jjc.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **John J. Campbell,** BE, CEng, MIEI, PEng Canada, FConsEI

TOTAL EMPLOYEES

9

ABOUT THE FIRM

J.J. Campbell & Associates was established in 1995. The range of experience within the firm ensures that innovative yet cost effective solutions are provided to meet client's individual requirements.

ENGINEERING ACTIVITIES

Civil and Structural Engineering, Conservation and Renovation of Historic Structures, BIM.

PROJECT TYPES

Hotels, Shopping Centres, Office Developments, Residential Developments, Conservation/ Building Restoration, Industrial Buildings, Public, Roads.

JODA ENGINEERING CONSULTANTS

Ballycurreen House, Ballycurreen, Cork, T12 P4AY

T: +353 (0)21 454 4244

E: engineers@joda.ie

W: www.joda.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Jerome O'Donovan,** BE, CEng, MEngSc, MIEI, MICE, MIStructE, FConsEI
- **Paul Murphy,** BE, MSc, CEng, MIEI, MIStructE, HDipMM, FConsEI

TOTAL EMPLOYEES

16

ABOUT THE FIRM

JODA Engineering Consultants is a multidisciplinary practice providing engineering consultancy services related to buildings and structures, site development and infrastructure services.

The practice was established in 1961 and initially provided civil/ structural consultancy. In 1972 the firm included mechanical and electrical building services and later expanded to include project management for industrial and other projects. The practice became a limited company in 1995.

ENGINEERING ACTIVITIES

Civil, Structural, Mechanical, Electrical, Project Management, Geotechnical.

PROJECT TYPES

Industrial Projects, Office Developments, Retail Developments, Hospitals, Hotels, Educational Buildings, Institutional Buildings, Bridges, Road Structures, Marine Structures, Residential Developments, Leisure Projects, Remedial Works, Fire Damage and Flood Damage Assessment and Remediation.

J.V. TIERNEY & COMPANY LTD

The Tannery, 53-56 Cork Street, Dublin 8. D08 P92R
T: +353 (0)1 421 4900
E: mail@jvtierney.ie
W: www.jvtierney.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Joe Lee,** DipEng, CEng, FCIBSE MIEI, MASHRAE, FConsEI
- **Stephen Walsh,** CEng, BEngTech, MIEI, FIHEEM, FConsEI, MASHRAE
- **Colm Saul**, CEng, B.Sc Building Services Eng, Dip BS Eng, FConsEI
- **Andrew Clifford**, CEng, CIBSE Affiliate, B.Sc BS Eng, FConsEI
- **Rory Burke**, BE, CEng, FConsEI

TOTAL EMPLOYEES

41

ABOUT THE FIRM

J.V. Tierney & Co. was established in 1948 and is the market leader in consulting engineering design in the field of mechanical, electrical and sustainable engineering in the built environment. Our specialist subsidiary, JVTE, offers environmental and sustainable design solutions, daylight/sunlight analysis, net zero carbon solutions and energy efficient design (EED) analysis. We are certified Home Performance Index (HPI) Assessors, Building Energy Rating (BER) Assessors and accredited BREEAM Assessors and LEED Commissioning Agents (CxA) with a number of our projects achieving the international environmental standards of BREEAM 'Excellent' and LEED 'Platinum' accreditation. The company has become synonymous with the highest quality design concepts and is accredited to the following NSAI Management Systems – I.S. EN ISO 9001-2015 Quality Standard, I.S. EN 14001:2015 Environmental Standard and OHSAS 45001:2018 Occupational Health and Safety Standard. Building Information Modelling (BIM) accreditation to IS EN ISO 19650-2:2018.

ENGINEERING ACTIVITIES

Mechanical & Electrical and Sustainable Engineering Design, Daylight/Sunlight Analysis, Net Zero Carbon Solutions, Energy Efficient Design (EED) Analysis, Comfort Analysis / Natural Ventilation with Computer Modelling, BREEAM Assessors, BER Assessors, Home Performance Index (HPI) Assessors, LEED Assessors, Heating / Ventilating and Air-Conditioning, Medical Gas Design, Environmental, Project Management, Fire & Security Engineering, ICT & Communication Systems, Vertical Transportation Engineering, Services Cost Control, 3D Building Information Modelling (BIM), BCAR Inspection / Reporting.

PROJECT TYPES

Educational Buildings, Hospitals / Healthcare Buildings, Offices / Commercial / Light Industrial, Residential, Hotels & Leisure, Retail, Exhibition Spaces, Sports Stadia Facilities, Institutions / Secure Centres, Courtroom Facilities, Protected Structures / Historical Buildings.

JWHA

2-4 Merville Road, Stillorgan, Co. Dublin. A94 E3F8
T: +353 (0)1 212 1813 / 212 1816 / 212 1817
E: info@jwha.ie
W: www.jwha.ie

OFFICES

13 Carmen Lawn, Garryduff, Rochester, Co. Cork. T12 H1XV
T: +353 (0)21 485 7387

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Joseph W. Hogan,** CEng, FCIBSE, MIEI, MASHRAE, MIPM, ACIArbI, FConsEI

TOTAL EMPLOYEES

3

ABOUT THE FIRM

J.W.H.A. Consulting Engineers offers complete design and project construction management in the field of project management, procurement, structural and mechanical and electrical services. The practice has been in existence since 1980 and has completed numerous prestigious projects. Working from offices in Dublin and Cork, we serve a large base in all client sectors. The practice is Quality Assured to ISO 9001.

ENGINEERING ACTIVITIES

Building Services, Project Management, Mechanical, Electrical, Structural, Civil, BER, Pollution Control, Noise Assessment, Insurance Claims, Legal Reports, Personal Injuries Investigations, Mediation, Expert Witness, Loss Assessment,Traffic Accidents, Information Technology, Lighting Levels, Electronic, Energy and Power, Energy Audits, Health and Safety, Project Supervisor Design Process (PSDP).

PROJECT TYPES

Business & Retail Units, Commercial Development, Churches/ Cathedrals, Hospitals/Healthcare, Industrial Developments, Leisure Developments, Residential Developments, Educational, Office developments, Heritage, Hotels, Nursing Homes.

KAVANAGH MANSFIELD & PARTNERS

Sommerville, Dundrum Road, Dundrum, Dublin.
D14 WF24

T: +353 (0)1 660 6966

E: kmp@kmp.ie

W: www.kmp.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **James Mansfield,** CEng, BE, FIEI, MIStructE. FConsEI
- **Niall Clarke,** BSc, DipEng, CEng, MIEI, MIStructE, FConsEI

TOTAL EMPLOYEES

12

ABOUT THE FIRM

Kavanagh Mansfield & Partners has a broad base of experience providing completely independent structural and civil engineering professional advice to public sector and private sector clients. The practice has evolved over the last 30 years and is highly committed to working towards design excellence allied to cost effectiveness. Kavanagh Mansfield & Partners has been involved closely in the development of standards for the industry in fields such as code development and health and safety regulations. Kavanagh Mansfield & Partners is the trading name of Piconsult Ltd.

ENGINEERING ACTIVITIES

Civil and Structural.

PROJECT TYPES

Factories & Warehousing, Hospitals & Health Care, Client Due Diligence, Fit Out, Sports Complex, Artificial Playing Surfaces, Office Developments, Schools & Colleges, Housing & Apartments, Estate Development, Building Restoration, Protected & Heritage Structures, Telecommunication Buildings, Legal Work, Pyrite Inspections, Research and Development.

KILGALLEN & PARTNERS CONSULTING ENGINEERS LTD

Kylekiproe, Well Road, Portlaoise, Co. Laois.
R32 P 668

T: +353 (0)57 866 2860

E: info@kilgallen.ie

W: www.kilgallen.ie

OFFICES

Unit 3, Danville Business Park, Kilkenny. R95 VH33
T: +353 (0)56 770 1090

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Morgan Kilgallen,** BE, CEng, Eur Ing, Dip. Highway & Geotechnical Engineering, Dip. Arbitration Law, FCIArb, FIEI, FConsEI
- **Niall O'Callaghan**, BSc(Eng), DipEng, CEng, Dip Proj Man, MIEI, FConsEI
- **Robert Kelly**, BEng, CEng, MIEI, RConSEI

TOTAL EMPLOYEES

17

ABOUT THE FIRM

Founded in 1998, Kilgallen and Partners specialise in the design and management of building and civil engineering projects including road schemes, flood relief schemes, renewable energy projects and buildings for the commercial, retail, educational, residential, pharmaceutical and manufacturing markets. Our clients are drawn from across the public and private sectors. The company is CPD accredited by Engineers Ireland and is ISO 9001 accredited by NSAI. Operating out of offices based in Portlaoise and Kilkenny, we have a proven and established track record of successful delivery from concept stage through to project handover.

ENGINEERING ACTIVITIES

Civil, Structural, Roads, Traffic Impact Assessments and Mobility Plans, Design of Temporary Traffic Management Systems, Flood Studies & Flood Risk Assessments, Assigned Certifier, Project Supervisor Design Process (PSDP), Geotechnical Engineering, Planning, Site Development, Building Assessment and Refurbishment.

PROJECT TYPES

Public Sector (Roads & Associated Infrastructure), Active Travel, Education, Drainage, Flood Risk Assessments, Flood Mitigation), Design & Build Projects, Temporary Works, Renewable Energy, Pharmaceutical, Manufacturing, Residential, Commercial, Industrial, Office, Leisure, Heritage, Conservation & Refurbishment, Industrial and Business Parks, Transport Depots.

KILLIAN CONSULTING ENGINEERS

Brideswell Street, Dublin Road, Athlone,
Co. Westmeath. N37 T223

T: +353 (0)90647 7261

E: info@jkillian.ie

W: www.jkillian.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **John Killian,** BE, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

3

ABOUT THE FIRM

Killian Consulting Engineers was established in 2001. The company provides structural and civil engineering services to a wide range of clients throughout Ireland. The firm delivers design, project management and construction supervision services to a range of clients in the industrial, commercial and residential sectors.

ENGINEERING ACTIVITIES

Civil, Structural, Project Management, Assigner Certifier, Project Supervisor Design Process.

PROJECT TYPES

Industrial, Commercial, Medical Devices, Residential.

LANGAN CONSULTING ENGINEERS

Leeson Enterprise Centre, Altamont Street, Westport,
Co. Mayo. F28 ET85

T: +353 (0)98 68961

E: info@langaneng.ie

W: www.langaneng.ie

OFFICES

Galway Technology Centre, Mervue Business Park, Mervue,
Galway. H91 D932
T: +353 (0)91 396 335

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **James Langan,** BE, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

12

ABOUT THE FIRM

Langan Consulting Engineers (LCE) is a specialist civil, structural and marine design consultancy. We work in the delivery of civil infrastructure, marine, energy projects in Ireland and the UK. Our goal is to provide efficient, effective and pragmatic engineering design solutions.

ENGINEERING ACTIVITIES

Structural, Civil, Marine & Coastal, Hydrological/ Hydrogeological, Flood Risk Assessment, Drainage and Water Services, Geotechnical, BIM, Contractor Design Support including Temporary Works Design and Category 3 Design checks.

PROJECT TYPES

Marine: Ports, Harbours, Marine Outfalls

Energy/ Renewables: ESB Grid Connections, Gas, Wind/ Solar, Battery Facilities

Flooding: Relief Schemes, Risk Management and Alleviation

Civil Structural: Roads, Bridges, Culverts, Canals, Lighthouses

Sectors: Public, Energy, Transport, Education, Healthcare.

LCE is accredited to ISO 9001, 14001 & 45001.

LAWLER CONSULTING

7 Patrick Street, Kilkenny. R95 HT9T

T: +353 (0)56 772 1115

E: info@lawlerconsulting.com

W: www.lawlerconsulting.com

OFFICES

50-56 Merrion Road, Dublin. D04 V4K3
T: +353 (0)1 639 2948

Acorn Business Centre, Blackrock, Cork. T12 K7CV
T: +353 (0)21 461 4265

Morrell Business Centre, 98 Curtain Road, London EC2A 3AF
T: +44 (0)207 9797704

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Daniel Ring,** CEng, MIEI, MCIBSE
- **Jonathan Culleton,** MIEI

TOTAL EMPLOYEES

40

ABOUT THE FIRM

Lawler Consulting was established in 1980 by Noel Lawler. Over the last 45 years the company has established itself as a highly respected M&E building services consultancy with a wealth of expertise across a broad range of sectors and clients with over 6,000 commissions to date.

ENGINEERING ACTIVITIES

Lawler Consulting is a multi-disciplinary team of highly qualified Building Services and Sustainability Engineers, with offices in Ireland and the UK.

We provide a comprehensive range of engineering services, including: Building services design, Project management, Sustainability and low-carbon consultancy,

Our team delivers innovative, efficient, and future-focused engineering solutions to support clients across a wide variety of sectors.

PROJECT TYPES

Lawler Consulting have a wealth of experience in all building sector types including but not limited to: Commercial & Industrial, Retail, Education, Healthcare, Hotel & Leisure, Residential, Protected & Historical Renovations.

LED (LYNCH ENGINEERING DESIGN)

22 French Furze Grove, Kildare Town,
Co. Kildare. R51 R993

T: +353 (0)86 806 5273

E: david@lynchengineeringdesign.com

W: www.lynchengineeringdesign.com

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **David Lynch,** BSc(Eng), DipEng, CEng, PGradDip(Fire Safety), FConsEI

TOTAL EMPLOYEES

2

ABOUT THE FIRM

LED was established in 2013 by David Lynch, following two years site and 14 years design experience.

ENGINEERING ACTIVITIES

Civil & Structural.

PROJECT TYPES

Residential, Commercial, Retail, Local Authority, Insurance, Legal.

MALACHI CULLEN CONSULTING ENGINEERS LTD

8 Centre Court, Blyry Business & Commercial Park, Athlone, Co. Westmeath N37 A710

T: +353 (0)90 642 0364

E: info@mcullen.ie

W: www.mcullen.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Pádraic Keena,** BA, BAI, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

7

ABOUT THE FIRM

Malachi Cullen and Partners was formed in 1986 from the well-established branch office of Stanislaus Kenny and Partners, Athlone, founded by Malachi Cullen in 1971. Having merged with the international, multi-disciplinary consultancy White Young Green in 2007, the company was subsequently re-established as an independent entity in 2010 under the new name of Malachi Cullen Consulting Engineers Ltd (MCCE). MCCE continues this long tradition of providing professional civil and structural engineering and project management services in the midlands and throughout the country.

ENGINEERING ACTIVITIES

Civil, Structural, Environmental, Project Management, Health and Safety, Project Supervisor Design Process (PSDP), Planning Permissions, Fire Safety Certificates, Disability Access Certificates, Mapping, Reports.

PROJECT TYPES

Industrial and Commercial Developments, Educational – Primary / Secondary / Third Level Institutions, Medical / Primary Care, Residential Developments, Hotel and Leisure Facilities, Golf Clubs, Churches, Libraries, Public Amenities, Site Development Works, Refurbishments, Remedial Works, Conservation, Temporary Works Design, Conditional Surveys, Fire Safety Engineering.

MALACHY WALSH AND PARTNERS (MWP)

Park House, Mahon Technology Park, Bessboro Road, Blackrock, Cork, T12 X251

T: +353 (0)21 453 6400

E: info@mwp.ie

W: www.mwp.ie

OFFICES

Blennerville, Tralee, Co Kerry, V92 X2TK
T: +353 (0)66 712 3404

Unit 27, Briarhill Business Park, Ballybrit, Galway.H91 TH61
T: +353 (0)91 399633

The Elm Suite, Loughmore Centre, Raheen Business Park, Limerick, V94 R578
T: +353 (0)61 480 164

2 Exchange Tower, 1-2 Harbour Exchange Square, London, E14 9GE, UK.
T: +44 (0)20 7253 0893

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Peter Fay,** BSc(Eng), Dip Struct Eng, C Eng, MIEI, MIStructE, FConsEI
- **Ian Brosnan**, BEng(Hons) CEng, MIEI, MIStructE, MICE, FConsEI
- **John Lee**, BE HDipSHWW CEng, FIEI, FConsEI

TOTAL EMPLOYEES

235 (Ireland - 205, UK 30)

ABOUT THE FIRM

The practice is a multi-disciplinary, diversified engineering and environmental consultancy and was founded in 1967. It has expertise in civil, structural, mechanical and electrical engineering, environmental and waste management engineering.

ENGINEERING ACTIVITIES

Building Structures: Civil Engineering Works, Roads, New Bridges and Assessment of existing, Rehabilitation Work to existing structures, Commercial. Industrial projects: Pharmaceutical, Harbour and Coastal Works; Housing/Apartments; Water Services; Fire Engineering; Transportation, Building Services – Mechanical & Electrical; Renewable Energy, EIA/EIS, SEA; Planning Policy & Legislation, Port Engineering.

PROJECT TYPES

Pharmaceutical, Healthcare, Airport, Commercial, Bridges, Roads, Industrial, Waste Management, Wind Farms and Pumped Energy Storage, Sewerage Schemes, Schools/Colleges, Water Services, Sports Facilities, Transportation, Conservation, Marine Engineering and Energy & Renewable Energy.

MALONE GROUP

Plaza 255, Blanchardstown Corporate Park,
Ballycoolin, Dublin. D15 A4TP

T: +353 (0)1 866 5890

E: fergus.whelan@malonegroup.com

W: www.malonegroup.com

OFFICES

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T: +44 28 3814 0026

Skyline Court, Third Avenue Centrum 100 Burton-on-Trent, GB. DE14 2BZ
T: +44 1283 688083

120 East Beaver Creek Road, Suite 200, Richmond Hill, ON, Canada. L4B 4V1
T: +44 1289 635 2442

445 Broad Hollow Road Suite CL 25 Melville NY, USA. 11747
T: +44 1631 629 5050

14 Antim I Street, Sofia, Bulgaria. 1303
T: +359 2 491 7877

Mallot Creek Group, 294 E Miss St, Elora, ON N0B 1S0, Canada
T: +1 519 846 1830

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Fergus Whelan**, BA.BAI, MSc, MBA, CEng, FIEI, FConsEI

TOTAL EMPLOYEES

30

ABOUT THE FIRM

Established in 1999 Malone Group works with leading international brands to design, manage and deliver high value, business critical projects.

We have the management, technical, safety and operational expertise to derive value for your business and protect your operations by ensuring projects are delivered safely and efficiently.

From locations in Ireland, the UK, Canada and Bulgaria we have the capabilities to provide project lifecycle support for capital investments and operational initiatives.

ENGINEERING ACTIVITIES

Owner's Engineer, Full Lifecycle Management, Managed Service Model, Project Support Office, Master planning, Business Case Development, Implementation Scenarios, Sustainability Roadmaps, Front End & Detailed Design, Building Services & Utilities, Electrical & Instrumentation, Process & Packaging, Data Acquisition & Analytics, AI, Vision & Robotics, Intelligent Buildings, Smart Factory Roadmap, Project & Process Safety, Machinery Safety, Safety in Design, HAZOP, Obsolescence, Process Control & SCADA, System Integration, System Qualification & Security,

PROJECT TYPES

Life Sciences, Food, Beverage, FMCG, Advanced Manufacturing, Logistics, Industrial, Consumer Health, Data Centres, Energy & Sustainability, Energy, Utilities, Hotels, Healthcare, Commercial.

MALONE O'REGAN

2B Richview Office Pk, Clonskeagh,
Dublin 14, D14 XT57

T: +353 (0)1 260 2655

E: info@morce.ie

W: www.maloneoregan.ie

OFFICES

3-4 Canada Street, Waterford, X91 V52K
T: +353 (0)51 876 855

Hitech House, Unit 18 Claregalway Corporate Park, Claregalway, Galway, H91 KFX3
T: +353 (0)91 531 069

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Eimear Sharkey** BE CEng MIEI FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEER

- **Corwun O'Brien** BEng MSc Eng CEng MIEI RConsEI
- **John Kinsella** BEng CEng MIEI RConsEI

TOTAL EMPLOYEES

45

ABOUT THE FIRM

The firm was founded in 1978 and established its environmental services division in 1991. It established its UK office in 2012. Originally recognised for its expertise in the design, procurement and management of projects in the dairy, food and manufacturing sectors, the firm has expanded its range of services to include marine structures, building structures and specialist production / manufacturing projects. Since 1999 it has been providing services in the area of transportation and roads infrastructure. With offices in Dublin, Galway and Waterford the firm provides clients with nationwide coverage within easy reach of a local base.

ENGINEERING ACTIVITIES

Civil & Structural, Environmental, Health & Safety, Manufacturing, Marine, Mechanical & Electrical, Project Management, Roads & Bridges.

PROJECT TYPES

Commercial & Retail, Education, Food & Beverage Processing, Healthcare, Industrial Development, Legal & Forensic, Manufacturing, Mining & Mineral Extraction, Pharmaceutical, Ports & Harbours, Sports & Leisure, Roads & Bridges, Site Remediation.

MARTIN PETERS ASSOCIATES LTD (MPA CONSULTING ENGINEERS)

Ormonde Road, Kilkenny, R95 AHX8

T: +353 (0)56 770 2761

E: info@mpa.ie

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OFFICES

26 Upper Pembroke Street, Dublin 2, D02 X361
T: +353 (0)1 649 9001

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Martin Peters**, BSc Eng, MSc Eng, CEng, MIEI, MIStructE, MCIHT, Dip Planning, FConsEI
- **Edward Quann**, BEng (Hons), CEng, MIEI, FConsEI

TOTAL EMPLOYEES

13

ABOUT THE FIRM

Martin Peters Associates (MPA) Consulting Engineers is a dynamic, multi-disciplinary firm of Civil, Structural, and Transport Engineers, established in 2005 with offices in Kilkenny and Dublin. We provide development and infrastructure consultancy services to both private and public sectors, delivering expertise across feasibility, planning, design, and delivery. Our services also include Project Management, Project Supervisor Design Process (PSDP), Assigned Certifier and Employer's Representative roles.

We are certified to ISO 9001 quality standards and we are dedicated to providing quality and innovation on all of our engineering projects.

ENGINEERING ACTIVITIES

Civil & Structural Engineering, Transport Planning & Traffic Engineering including Traffic & Transport Assessments and Active Travel Engineering, Infrastructure Development, Planning and Land Development, Project Management, BIM Projects, Feasibility Studies, Master Planning & Site Due Diligence.

PROJECT TYPES

Education, Commercial, Industrial, Residential, Conservation & Refurbishment, Food / Industry, Healthcare, Sports and Leisure, Civil / Utilities / Infrastructure, Transport, Urban Regeneration and Master Planning.

McCRAE CONSULTING ENGINEERS LTD (MCE)

Rear 6B Arbourfield Terrace, Dundrum Business Park, Dublin 14. D14 F5C6

T: +353 (0)1 296 2596

E: info@mceeng.ie

W: www.mceeng.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Norman Irvine**, BEng, CEng, PgDip H&S, FConsEI

TOTAL EMPLOYEES

8

ABOUT THE FIRM

McCrae Consulting Engineers specialise in fire, civil and structural engineering. Having undertaken many new build projects, we are also experts in refurbishment and conservation work. We are currently active in the residential, commercial, industrial, leisure, health care and education sectors.

We have developed an extensive repeat client base of both public and private clients. We believe work should be completed on time and within budget and that this is the key to developing long term client relationships.

PRACTICE HISTORY

McCrae Consulting Engineers was founded in 2011 by Richard McCrae following 13 years working for the well-known and long-standing Lee McCullough Consulting Engineers, specialists in fire, civil and structural engineering. In mid 2020, the practice merged with LMC Consulting Engineers. LMC Consulting Engineers was formed by Frank Lee, Gerry McCabe and Norman Irvine, some of the former directors and associates of Lee McCullough, in 2012. Following the retirement of Frank and Gerry, Richard and Norman decided it was an opportune time to join forces. McCrae Consulting Engineers now incorporates LMC Consulting Engineers.

This merger has allowed the combined companies to provide an enhanced service to all our clients through an increase in scale while still maintaining the core values of both companies and providing clients with direct access to senior staff, something which is often lacking in other practices.

ENGINEERING ACTIVITIES

Civil & Structural, Conservation, Fire Safety, Assigned Certifier, PSDP, Access Consultancy.

PROJECT TYPES

Fire Safety, Residential Developments (Housing & Apartments), Commercial Developments, Conservation/Restoration, Educational, Industrial Developments, Healthcare, Leisure Facilities, Assigned Certifier, Modular Buildings.

McELROY ASSOCIATES

69 Lower Leeson Street, Dublin 2. D02 YP04

T: +353 (0)1 660 9000

E: info@mea.ie

W: www.mea.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Ray Curran,** BSc(Eng), NCEA Dip. Eng, MSc, MA, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

21

ABOUT THE FIRM

Established over 25 years ago, McElroy Associates is a multi-discipline consulting engineering practice. The firm delivers design, project management and construction supervision services to a range of international and domestic clients, primarily in the industrial sector and across a range of pharmaceutical, healthcare, process and food industry projects.

ENGINEERING ACTIVITIES

Civil, Structural, Mechanical, Electrical, Fire, Building Services, Project Management, Assigned Certifier, Project Supervisor Design Process.

PROJECT TYPES

Pharmaceutical, Biopharma, Medical Devices, Industrial, Healthcare, Commercial, Third level.

METEC CONSULTING ENGINEERS

La Vallee House, Upper Dargle Road, Bray,
Co. Wicklow. A98 W2H9

T: +353 (0)1 204 0005

E: info@metec.ie

W: www.metec.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Bernard Denver,** MSc, BSc(Hons)Eng, DipEng, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

64

ABOUT THE FIRM

Metec's clients are industry leaders and innovators that are involved in fit-outs and construction projects – from commercial to residential. We place great value on operational excellence and innovation. Our highly qualified and experienced team of mechanical and electrical engineers provide an end-to-end solution that encapsulates good design, innovative thinking, and a keen focus on sustainability, energy saving and building performance. Our engineers work with our LEED and WELL APs and building performance modellers in an ecosystem where information is easily accessed, shared and updated, where collaboration is continual, and where sustainability goals underpin the design.

The Metec team of engineers collectively bring over 500 years' experience to our clients' projects and their experience comprises mixed-use commercial and residential developments across a wide range of engineering fields. Our values are aligned with those of our clients which uniquely qualifies us to successfully deliver their project goals.

ENGINEERING ACTIVITIES

Mechanical and Electrical, Sustainable/Energy Engineers, LEED AP, WELL AP, Energy Modelling.

PROJECT TYPES

Data Centres, Commercial, Retail, Pharmaceutical, Education, Sports and Leisure, Energy Audits, Health Care, Religious, Residential, Prisons.

MHL & ASSOCIATES LTD

Unit 1B, The Atrium, Blackpool Retail Park, Cork.
T23 ERD0

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E: info@mhl.ie

W: www.mhl.ie

OFFICES

Suite 2, Chapter House, Dominick Street, Tralee, Kerry. V92C799

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Ken Manley,** BE, CEng, MIEI, HdipEnvmn.Eng, FConsEI
- **Brian Murphy,** BE, CEng, MIEI, FConsEI
- **Brian Loughrey,** BE, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

13

ABOUT THE FIRM

The company was established in 1999 and has gained a reputation in the field of transportation engineering, local authority infrastructural design and the provision of civil engineering services for residential and commercial developments.

ENGINEERING ACTIVITIES

Civil, Transportation, Traffic modelling, Major Roads Infrastructural Works.

PROJECT TYPES

Business Parks, Traffic Impact Studies, Road Safety Assessments, Traffic & Transportation Plans, Commercial Developments.

MICHAEL SLATTERY ASSOCIATES

19 Windsor Place, Lr Pembroke St.
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E: dublin@msa.ie

W. www.msa.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Michael Slattery,** BE, MSc(Fire Eng), CEng, FIEI, MSFPE, Eur Ing, FConsEI

TOTAL EMPLOYEES

32

ABOUT THE FIRM

Founded in 1988.

ENGINEERING ACTIVITIES

Fire Safety Engineering, Event Safety Management, Occupational Health and Safety, Fire Safety Management.

PROJECT TYPES

Stadia, Hospitals, Universities/Schools/Colleges, Shopping Centres, Industrial Buildings, Apartment Developments & Hotels, Offices/Financial Services, Major Public Assembly Events/ Venues, Research Projects.

MMA CONSULTING ENGINEERS LTD

Unit 4E Fingal Bay Business Park, Balbriggan,
Co. Dublin. K32 HN82

T: +353 (0)1 690 5040

E: info@mma.ie

W. www.mma.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Dermot Doran,** HDipEng - Building Services Engineering BEng Hons. - Building Services Engineering CEng. - Engineers Ireland LEED AP, FConsEI

TOTAL EMPLOYEES

40

ABOUT THE FIRM

Established in 1968, the MacArdle McSweeney Design practice is now part of the Headcount Group, one of Ireland's leading outsourced engineering solutions providers. MMA Consulting Engineers continues the tradition of delivering high quality mechanical and electrical building services designs for the commercial, residential, healthcare, leisure and industrial sectors. MMA also has a comprehensive process design capability.

This high-tech alliance has allowed us to modernise our design practices and we have developed industry leading 3D BIM M&E design workflows that increase design team productivity, enhance deliverable quality and significantly reduce design costs.

ENGINEERING ACTIVITIES

Mechanical and Electrical Building Services, Environmental and Sustainable Solutions, Building Refurbishment, Feasibility Studies, Due Diligence, Energy Modelling, Lighting, Sun and Shadow Modelling, Material and Personnel Flow Studies, LEED & BER Certified. Industrial Process Design, 3D Laser Scanning and Scan to BIM Validation.

PROJECT TYPES

Industrial , High-Tech, Pharma, Healthcare, Commercial, Education, Residential.

MOLONEY FOX CONSULTING LTD

46 O'Connell Street, Limerick. V94 8D88

T: +353 (0)61 277841

E: info@mfconsulting.ie

W: www.moloneyfoxconsulting.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Matt Fox,** CEng, BEng, MIEI, MCIBSE, FConsEI

TOTAL EMPLOYEES

12

ABOUT THE FIRM

Established in 2011 Moloney Fox Consulting are one of the Leading Building Services Consultants in the Mid-West Region of Ireland.

Moloney Fox Consulting Continues to provide advanced design solutions and expertise in all areas of Building Services Engineering.

Our core activities are the design of high quality / efficient Mechanical and Electrical Services system solutions for a wide range of building types.

The company has a wealth of experience across a broad range of sectors and clients.

Our philosophy for projects is to work harmoniously with the Client and the Design & Construction Teams to ensure a successfully completed project, on time, within budget and in compliance with the Client's requirements.

ENGINEERING ACTIVITIES

Mechanical and Electrical Building Services Design. Energy Efficient and Sustainable Design. Feasibility studies, Condition Surveys, Energy Modelling. Domestic and Commercial BERs. Lighting Designs.

PROJECT TYPES

Commercial, Office, Retail, Sports and Leisure, Educational, Industrial, Health Care, Residential including Multi-Storey Apartment, Warehousing, Conservation, Religious, Listed Buildings.

MOLONY & MILLAR

Riverbank House, Ballyboden Road, Rathfarnham,
Dublin 14. D14 W2V1

T: +353 (0)1 493 0211

E: info@molonymillar.ie

W: www.molonymillar.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Raymond D. Goggin,** BE, CEng, MIEI, Eur Ing, FConsEI

TOTAL EMPLOYEES

11

ABOUT THE FIRM

The partnership was formed in 1969 from the previously established practice of Sir Hugh F. Molony.

Molony Millar is a long-established practice in existence for over 56 years. Our extensive experience in civil and structural engineering is bolstered by our application of all the latest technologies and software which results in a firm that is dynamic, innovative and solution driven. We have successfully delivered multiple projects in the following sectors:
Healthcare, Commercial, Airports, Housing, Apartments and Infrastructure.

ENGINEERING ACTIVITIES

Civil, Structural, Environmental.

PROJECT TYPES

Airports, Education, Hospital, Industrial, Roads, Town Centres, Water, Waste Treatment, Landfill, Recreational, Office Development, Domestic, Private Dwellings.

MOTT MacDONALD IRELAND

South Block, Rockfield, Dundrum,
Dublin 16. D16 R6VO

T: +353 (0)1 291 6700

E: dublin@mottmac.com

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OFFICES

5 Eastgate Avenue, Little Island, Co. Cork. T45 EE72
T: +353 (0)21 480 9800

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Barry Williams**, BE Civil (Hons), MEngSc, CEng, FIEI, FConsEI (Managing Director)
- **Gemma McCarthy,** BEng, CDipAF, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

165

ABOUT THE FIRM

Mott MacDonald Ireland has been operational in Ireland for over 70 years, developing the business into a multi-disciplinary operation. With over 165 staff operating in Dublin, Cork and Galway, we bring our customers a total project delivery capacity across all sectors. Mott MacDonald Ireland is part of the global Mott MacDonald Group which is entirely 'employee owned'. The total group staff is over 20,000 in 180 offices worldwide.

ENGINEERING ACTIVITIES

Civil, Structural, Transportation, Water and Wastewater, Power Generation, Power Transmission & Distribution, Environmental, Marine, Highways, Railways, Light Rail, Railway Systems, Traffic, Geotechnical, Mechanical and Electrical Building Services, Mining and Mineral Extraction, Oil and Gas, Value Engineering, Net Zero, Quantity Surveying. Telecommunications, Waste Disposal, Water, Pollution Control and Project Management.

MRG CONSULTING ENGINEERS LIMITED

4 Day Place, Tralee, Kerry. V92 AW26

T: +353 (0)66 712 3130

E: info@mrg.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Tadhg McGillicuddy,** BE, MEngSc, CEng, FIEI, FConsEI

TOTAL EMPLOYEES

13

ABOUT THE FIRM

Formerly Malone O'Regan McGillicuddy, the firm was established in 1980 in Tralee. Today it has offices in Tralee and Cork with a long-serving experienced team. Both offices are equipped with state-of-the-art engineering design and draughting software and technology and online library facilities. The practice offers a comprehensive civil and structural engineering consultancy service and has been involved in the successful design and completion of a wide range of projects across all sectors of the industry.

ENGINEERING ACTIVITIES

Civil, Structural, Project Management.

PROJECT TYPES

Office Buildings, Bank/Retail Developments, Civil Buildings, Hospitals, Healthcare Facilities, Schools and Colleges, Industrial Development, Pharmaceutical, Sports & Leisure, Roads & Bridges, Residential Developments, Windfarm Developments.

MTW CONSULTANTS LTD

Unit 4, MTW House, Broomfield Business Park, Malahide, Co Dublin. K36 F434

T: +353 (0)1 846 3505

E: info@mtw.ie

W: www.mtw.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Tom Markham,** BE, CEng, MIEI, FConsEI
- **Glen Faherty**, BSc(Eng), Dip Eng, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

8

ABOUT THE FIRM

Tom, Kevin & Bryan all graduated from the Engineering School of UCD in the mid '70s and came together in September 2000 to offer an engineering practice based on the north side of Dublin. We draw on a wealth of experience both nationally and internationally to offer a comprehensive and tailored service to clients.

ENGINEERING ACTIVITIES

Civil, Structural, Fire, Project Management.

PROJECT TYPES

Student Accommodation, Hotels, Industrial Development, Commercial Development, Housing Development, Apartment Complex, Listed Buildings, Artificial Playing Surfaces, Services to the Health Industry from Hospital to residentials.

MUIR ASSOCIATES LTD

Marketing Network House, Argyle Square,
Morehampton Road, D04 K0Y1

T: +353 (0)1 676 2788

E: info@muir.ie

W: www.muir.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Rafid Ajina**, BSc, MEngSc, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

20

ABOUT THE FIRM

Founded in 1952 and carried out projects in Ireland and over 20 African, European and Middle East Countries. Muir Associates Limited is a civil and structural engineering and project management consultancy practice that works in partnership with clients to provide key advice and to deliver on their ambitions.

We have a technically competent team of experienced personnel with a broad range of expertise to deliver technical excellence on projects regardless of project size.

ENGINEERING ACTIVITIES

Civil, Structural, Project Management, Environmental, Marine, Traffic and Transportation, Process & Manufacturing.

PROJECT TYPES

Hotels, Aviation, Industrial, Hydraulic Structures/Water Supply, Sports & Leisure, LPG Storage, Marine, Roads, Bridges, Education, Services Planning, Transport, Masterplanning, Urban Regeneration, Public Works, Sugar Industry, Environment, Residential, Retail, Conservation, Commercial, Light Rail, Health & Safety, Building Control.

NICHOLAS O'DWYER LTD

Nutgrove Office Park, Nutgrove Avenue,
Dublin 14. D14 V3F6

T: +353 (0)1 296 9000

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OFFICES

Bessboro Road, Mahon, Cork.

15 Downshire Road, Newry Co Down. BT34 IEE
T: +44 (0)28 302 66915

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Jim Oliver,** BE, CEng, MIEI, C.WEM, MCIWEM, FConsEI
- **Jerry Cronin,** BE, MIEI, CEng, Eur Ing, MCIWEM, FConsEI
- **Gerard Monaghan,** BEng, MSc, MBA, CEng, FCIArb, MIEI, FConsEI

TOTAL EMPLOYEES

250

ABOUT THE FIRM

Founded in 1932, we have been at the forefront of innovative work, promoting Irish engineering consultancy in Ireland, the UK and internationally. We strive to deliver sustainable solutions that transform communities and bring about lasting positive change. Through a blend of expertise, innovation, and global dedication, we envision a world where sustainable engineering protects grow communities. Since we joined the RSK group in 2020 the firm has almost doubled in size and in addition to established offices in Ireland, the UK and Africa we have opened offices in the Middle East, South Africa and Indonesia.

ENGINEERING ACTIVITIES

Water, Environmental and Planning Services, Energy including renewable energy, Wastewater, Buildings & Structures, Communications, Transportation, Infrastructure, Contract and Technical Advisory.

PROJECT TYPES

Water Resource Management, Water Treatment, Water Distribution Networks, Wastewater Collection Systems, Wastewater Treatment Works, Flood Protection, Educational Buildings, Residential Buildings, Healthcare Buildings, Transportation and Highways, Bridge Design and Assessment, Port Facilities, Energy Infrastructure including Solar and Wind farms, Communications Infrastructure, Urban Development, Social and Environmental Assessments, Environmental Studies, Licencing and Permitting.

N.J. O'GORMAN & ASSOCIATES LTD

16 Gilford Road, Sandymount, Dublin 4. D04 EC80

T: +353 (0)1 475 5244

E: contactus@njog.ie

W: www.njog.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **John O'Donovan,** BE, PE, CEng, FConsEI

TOTAL EMPLOYEES

3

ABOUT THE FIRM

N.J. O'Gorman & Associates (NJOG) is a consulting engineering, project management and design development consultancy. Established in 1984, NJOG has gained over 40 years of experience in the Irish and UK construction industry by providing a high quality professional service. The practice is firmly focused on the needs of our clients and has a highly qualified and dedicated professional workforce which ensures the successful delivery of construction projects.

ENGINEERING ACTIVITIES

Project Management, Civil & Structural Engineering. Mechanical & Electrical Building Services Engineering, Project evaluation and auditing of development proposals, Project Monitoring, Dilapidation/Condition Surveys, Historic Buildings Conservation and Restoration, Fit-out and Refurbishment of Existing Buildings, Energy Efficiency and BER Certification, Planning Applications and EIS Coordination, Fire and Disability Access Certificate Applications, Commercial Property Dilapidation Surveys and Reports, Flat Roof Design and Surveys, Pyrite Investigation and Remediation.

PROJECT TYPES

Student Accommodation, Hotel, Office Developments and Fit-out, Hospital Developments, Nursing Home Projects, Educational Projects, Shopping Centre and Retail Projects, Multiplex Cinema Projects, Residential Development Projects. Large Scale Veterinary Complexes, Refurbishment of Residential and Commercial Buildings, Refurbishment of Historical/Heritage Buildings. Project Evaluations, Master Plan Development and Co-ordination. Environmental Impact Report Co-ordination. Kitchens and Restaurants, Conservation and Restoration, Industrial and Manufacturing, Energy and Sustainability, Hotel and Sports, New Roofs and Re-roofing Projects, Clean Room Design.

OBA CONSULTING ENGINEERS

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Dublin 8. D08 A494

T: +353 (0)1 535 0084

E: info@obaconsulting.ie

W: www.obaconsulting.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Ciaran O'Brien,** BEng, CEng, MIEI, Eur Ing, FConsEI

TOTAL EMPLOYEES

6

ABOUT THE FIRM

The firm was founded in 2009.

ENGINEERING ACTIVITIES

Civil & Structural.

PROJECT TYPES

Domestic, Educational, Industrial, Retail Development, Sport & Leisure, Roads & Bridges, Water, Office Development, Healthcare Facilities, Hotels, Pharmaceutical, (AD) Biomethane Production Facilities.

O'CONNOR SUTTON CRONIN

9 Prussia Street, Dublin 7. D07 KT57

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E: contactus@ocsc.ie

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OFFICES

2nd Floor, Technology House, Galway Technology Park, Parkmore, Galway. T: +353 (0)91 771 360

North Point House, North Point Business Park, Mallow Road, Cork. T23 AT2P T: +353 (0)21 235 5816

113 The Mount, Belfast, BT5 4ND T: +44 (0)28 9024 4444

3 Sutton Lane, London EC1M 5PU, United Kingdom T: +44 (0)20 741 57120

10 Brindley Place, Birmingham, B1 2JB, United Kingdom T: +44 (0)121 231 3061

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Martin McGrath,** BEng, DipStructEng, CEng, MIEI, MIStructE, FConsEI
- **Patrick Field,** BSc(Hons), CEng, DipEng, CertEng GradDip (Thermal Bridging) MIEI, ASHRAE BEMP, FConsEI
- **James Barrett,** BComm, FCMA, CDir, FConsEI
- **Paul Healy,** BSc(Eng), CEng, FIEI, FIStructE, FConsEI
- **Anthony Horan,** BE, CEng, MIEI, FConsEI, DipProjMgmt, PCertRSA
- **Michael O'Reilly,** BSc(Eng), DipStructEng, CEng, MIEI, MIStructE, FConsEI
- **Brian O'Rourke,** BL, CEng, FIEI, FCIArb, FCIHT, FConsEI
- **Shaun Doody,** BE, MSc, CEng, MIEI, MIStructE, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEERS

- **Declan Barry,** BE, CEng, MIEI, RConsEI
- **Brian Heron,** BE, PGD Cons Law, PGD H'way & Geo. Eng., MSc, CEng, MIEI, RConsEI
- **Eddie Lyons,** BE, CEng, MIEI, MIStructE, RConsEI
- **Paul McSteen,** BSc(Eng), DipEng, CEng, MIStructE, MIEI, RConsEI
- **Ian Crehan,** BE, CEng, MIEI, MIStructE, RConsEI
- **Colin Wilson,** BEng, CEng, MIEI, RConsEI
- **Mark Hogan,** BEng(Hons), CEng, MIEI, RConsEI

TOTAL EMPLOYEES

300

ABOUT THE FIRM

This firm was founded in November 1988 in Dublin. It has since grown to become an international, mutli-disciplinary practice.

ENGINEERING ACTIVITIES

Structural, Civil, Mechanical & Electrical, Roads, Bridge Design, Rail, Environmental, Construction Management, Project Management, Pollution Control, Waste Management, Water, Traffic, Expert Witness, Sustainability, Ecology, Health & Safety, PSDP.

PROJECT TYPES

Third Level Colleges, Hospitals, Offices, Apartments / Housing, Commercial / Corporate & Industrial Developments, Primary / Post Primary Schools, Site Development Works, Data Centres, Life Science Buildings, High Risk Buildings, Roads Design & Transportation, Bridges, Rail, Civil Engineering & Environmental, Local Authority Developments, Refurbishment, Leisure & Golf Course Projects, Construction Management, Public Realm, Greenways, Blueways, Active Travel, Cycle Infrastructure.

OMC

Unit 39 Briarhill Business Park, Galway

T: +353 (0)1 517 0107

E: info@omcgroup.ie

W: www.omcgroup.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Enda O'Malley,** Bachelor of Civil/Structural Engineering, FConsEI

TOTAL EMPLOYEES

25

ABOUT THE FIRM

OMC Group, we provide a seamless, multidisciplinary consultancy service, specialising in engineering, design, and compliance solutions for commercial projects. Our in-house team of chartered engineers, consultants, and specialists ensures faster project delivery, streamlined communication, and a single point of contact for all building consultancy needs. We partner with architects, developers, and government bodies to deliver high-quality, fully integrated solutions across mechanical & electrical consulting, fire design & disability access, civil & structural design, health & safety & environmental consultancy.

ENGINEERING ACTIVITIES

Mechanical & Electrical Consulting, Fire Design & Disability Access, Civil & Structural Design and Environmental Consultancy.

PROJECT TYPES

Commercial Developments, Hospitality, Education & Public Sector, Healthcare & Life Sciences, Industrial & Manufacturing Data Centres, Multi Unit Residential Developments.

ORS

Block A, Marlinstown Business Park, Mullingar,
Co. Westmeath. N91 W5NN

T: +353 (0)1 524 2060

E: info@ors.ie

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OFFICES

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Platform 94, Mervue Business Park, Wellpark Rd, Galway. H91 D932
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Deise House, Link Road, Railway Square, Waterford, X91-FX2K
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Office 4, Spencer House, High Road, Letterkenny, Co. Donegal, F92 PX8N
T: +353 (0)1 524 2060

Unit W9B, Ladytown Business Park, Naas, Co. Kildare, W91 PC62
T: +353 (0)1 524 2060

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **David McCormack,** MSc, BEng(Hons), CEng, Dip Eng, MIEI, FConsEI
- **Mark Heslin**, BEng(Hons), CEng, MIEI, FConsEI

TOTAL EMPLOYEES

250

ABOUT THE FIRM

Since 1991, ORS has led the way in anticipating and responding to diverse client requirements in the construction industry. Time and experience have enabled us to create significant additional value in our projects with the blending of ten distinct, specialist design and build services. This multidisciplinary approach uniquely includes civil and structural engineering, project management, infrastructure, health and safety, building surveying, assigned certifier, fire safety, energy management, environmental services, and mechanical and electrical engineering. Over the decades, we have developed trusted, lasting partnerships with our property developer, international project funding agency, local authority, government agency, and private clients. Our end-to-end project collaboration with stakeholders, architects, design teams, and contractors ensures excellent, innovative solutions. Our success is made possible by our invaluable, industry-leading team of designers, consulting engineers, planners, scientists, and surveyors. Sustainability is proudly at the heart of every ORS project. Recently awarded the Best Company to Work For at the Irish Building and Design Awards and recognised for the seventh consecutive year by Great Place to Work Ireland as a Best Workplace, we offer our people a unique workplace culture based on flexibility, trust, and autonomy unparalleled in the construction industry.

ENGINEERING ACTIVITIES

Civil & Structural Engineering, Project Management, Infrastructure, Health & Safety Management, Building Surveying, Assigned Certifier, Fire Safety and Disability Access Consultancy, Sustainability, Environmental, Management, Mechanical and Electrical Engineering.

PROJECT TYPES

Third Level Colleges, Primary/Post Primary Schools, Hospital Developments, Office Developments, Commercial/Corporate Developments, Apartment/Housing Developments, Roads Design & Transportation, Bridges, Rail, Industrial Developments, Civil Engineering Projects, Construction Management, Structural/ Infrastructure, Site Development Works, Local Authority Developments, Environmental Projects, Pharma, Refurbishment Projects, Leisure Developments, Golf Course Developments.

PATRICK McCAUL ENVIRON. CONSULTING ENGINEERS LTD

3 Bankmore Business Park, Bankmore Road, Omagh,
Co. Tyrone. BT79 0BE

T: +44 (0)28 8225 1155

E: info@pmccaul.com

W: www.pmccaul.com

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Niall O'Kane,** BEng(Hons), CEng, MCIBSE, FConsEI
- **Patrick McCaul,** BEng(Hons), CEng, MCIBSE, FConsEI

TOTAL EMPLOYEES

12

ABOUT THE FIRM

Patrick McCaul Environmental Consulting Engineers Ltd. is a fully accredited company of chartered mechanical and electrical and renewable technologies consulting engineers who have earned a respected reputation in the building services industry throughout Ireland.

The company has always been innovative and willing to embrace and implement new technologies. Being up-to-date with the most recent technological developments and legislation is a core business competency that helps ensure the company's place as one of the most experienced, dynamic and forward-thinking M&E engineering practices in Ireland.

We have extensive experience of new builds, refurbishment and upgrade projects over the years with quality design and build, sustainability, energy efficiency, comfort criteria, low maintenance and flexible and future proofing applied. Develop and construct contracts, including PFI projects, are a significant element of the design workload of the company over the past number of years and we have excellent experience of off-site constructions having completed the M&E services for numerous modular buildings.

As energy consultants we provide Low Carbon Design and Integration Strategies, Energy Management and Efficiency, Renewable Technologies consultancy and Building Energy Ratings (BER) assessments. These services recommend ways to control costs, reduce energy bills and lower carbon emissions which allow clients to operate their businesses to optimum efficiency.

We also provide a comprehensive, independent renewable energy consulting service to ensure maximum financial viability for our clients whether considering a small on-site system or a large-scale industrial project.

ENGINEERING ACTIVITIES

Mechanical & Electrical Engineering, Low Carbon Design & Integration Engineering and Building Energy Ratings.

PROJECT TYPES

Industrial, Educational, Healthcare, Churches, Hotels/Leisure, Swimming Pools/Spa's, Housing & Apartments, Office Blocks & Call Centres, Domestic, Retail and Commercial.

PAUL TWOMEY & ASSOCIATES LTD

18 St Patrick's Hill, Cork. T23 TN3H
T: +353 (0)21 450 7784 / 450 6414
E: info@ptaengineers.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Joseph O'Sullivan,** BE, CEng, Eur Ing, FIEI, FConsEI

TOTAL EMPLOYEES

4

ABOUT THE FIRM

The firm was founded in 1971 by the late Paul Twomey and provides specialist consultancy services in civil, structural, fire safety, project management, forensic and legal engineering.

ENGINEERING ACTIVITIES

Civil, Structural, Project Management, Fire Safety, Investigation of Damage to Structures, Presentation of Engineers Evidence, Building Structure Assessment.

PROJECT TYPES

Educational, Sports Centres, Housing Estate Services, Office Block, Structural Collapse Investigations, Factories, Warehouses, Religious, Underpinning.

P. COLEMAN & ASSOCIATES

Bank Place, Ennis, Co Clare. V95 HW27
T: +353 (0)65 682 9731 / 682 9173
E: engineers@pjcoleman.com
W: www.pjcoleman.com

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Patrick Coleman,** BE, MEngSc, CEng, FIEI, Eur Ing, FConsEI

TOTAL EMPLOYEES

6

ABOUT THE FIRM

Founded in 1976 in Ennis.

ENGINEERING ACTIVITIES

Civil, Structural, Roads, Planning, Site Developments, Litigation.

PROJECT TYPES

Hotels, Office Blocks, Visitor Centres, Housing Developments, Water Schemes, Sewerage Schemes, Roof Repairs, Site Development Work, Road Design, Planning Submission/Reports, Underground Car Parks, Retail Developments, Schools, Industrial Units.

PCCE PAUL CONDRON CONSULTING ENG LTD

10 Rectory Way, Herbert Road, Bray,
Co. Wicklow. A98 CD88

T: +353 (0)87 243 3602

E: info@pcce.ie

W: www.pcce.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Paul Condron,** BE, CEng, Eur Ing, MIEI, MCIBSE, FConsEI

TOTAL EMPLOYEES

1

ABOUT THE FIRM

PCCE - Paul Condron, has over 50 years' experience in his areas of operations. After some 30 years of building services experience in both Ireland and overseas, Paul developed PCCE in 2003 to offer training and consultancy services primarily directed at Life Safety Systems – Fire Detection and Alarm (FDAS) and Emergency Lighting (EML).

In addition, experience was developed through working with ACEI and Engineers Ireland in respect of Designing for Safety in Construction.

Former joint Managing Director of Cuthbert Condron Associates and subsequently Regional Director with White Young Green Ireland.

Overseas experience in Nigeria, Saudi Arabia, USA.

Active member of the NSAI technical committees representing ACEI members, for the development of the following National standards:
I.S.3218 - Fire Detection and Alarm Systems (2001-2021),
I.S.3217- Emergency Lighting (2010-2021).

ENGINEERING ACTIVITIES

Technical Course Development and Presentation:
Fire Detection and Alarm Systems (FDAS)
Emergency Lighting (EML)
Fire Safety Systems (FSS)
Construction Legislation (DSC)

PROJECT TYPES

PCCE Training - Courses

- Fire Detection and Alarm Systems (FDAS): 1-day Review Course; 3-day Level Certificate course developed to Level 6 Special Purpose; Service
- Emergency Lighting (EL): 1-day Review Course; Service and Maintenance
- Courses; Fire Safety (FSS): User Responsibilities for Fire Safety in Residential Buildings
- Legislation (DSC): Designing for Safety in Construction - Structural/Civil Engineering (SC) and Building Services/ Facilities Management) (M&E/FM)

PHM CONSULTING LTD

11 Mallow Street, Limerick, V94 WRN4

T: +353 (0)61 576 020

E: info@phm.ie

W: www.phm.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Edward O'Donovan,** BSc(Eng), MProjectMgt, CEng, MIStructE, FConsEI

TOTAL EMPLOYEES

3

ABOUT THE FIRM

Established in 2009.

ENGINEERING ACTIVITIES

Civil and Structural, Environmental.

PROJECT TYPES

Commercial/Retail, Housing Schemes, Resource/Recreational Centres, Industrial/Warehousing, Educational, Environment, Stakeholder Management & Communications, Project Management Services, Structural/Buildings, Transport Planning.

PMCE LTD

17 Greenmount House, Greenmount Office Park, Harold's Cross, D6W. D6W VX78

T: +353 (0)1 464 3041

E: info@pmceconsultants.com

W: www.pmceconsultants.com

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Peter Monahan,** BE, MSc, FIEI, MIHT, FConsEI

TOTAL EMPLOYEES

10

ABOUT THE FIRM

PMCE is a specialist consulting engineering firm headquartered in Dublin, Ireland, established in 2006 by Mr. Peter Monahan. PMCE provides consulting engineering services to public and private clients in Ireland, the UK and GCC countries in the areas of road safety engineering, road safety audits, road planning and design, traffic analysis & assessment and project management.

ENGINEERING ACTIVITIES

Traffic Modelling, Road Design, Road Safety Audit, Road Safety Inspection, Project Management, Collision Analysis, Network Safety Assessment, Network Safety Ranking, Quality Audit, Road Safety Impact Assessment, Project Supervisor Design Process (PSDP), Research, Training.

PROJECT TYPES

Road & Junction Improvement, Road Safety Improvement, Active Travel, Urban Realm, Traffic Engineering, Road Safety Audit, Road Safety Inspection, Traffic & Transport Assessment, Quality Audit.

POGA CONSULTING ENGINEERS

D20, Nutgrove Office Park, Rathfarnham, Dublin14. D14 PF98

T: +353 (0)1 205 1101

E: info@poga.ie

W: www.poga.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Paul Moran,** BE, CEng, FConsEI

TOTAL EMPLOYEES

8

ABOUT THE FIRM

POGA Consulting Engineers is a leading Irish independent consultant engineering practice. Our practice has extensive experience providing professional consultant engineering services to the construction industry throughout Ireland and we pride ourselves on our unrivalled service. Our client profile includes private clients, developers, pubic bodies, international corporations, local authorities and building contractors. We are Independently owned so we can focus on our clients' requirements. Our approach has made a real difference to our clients and this is measured not just in testimonials but in our client retention rate and continued growth of our business.

ENGINEERING ACTIVITIES

Structural & Civil.

PROJECT TYPES

Residential Developments, Retail/Commercial, Special Structures, Apartments, Industrial Estates, Conservation/ Building Restoration, Office Developments, Hotels, Factories & Warehousing, Educational & Community Buildings, Roads, Drainage.

PUNCH CONSULTING ENGINEERS

Carnegie House, Library Road, Dun Laoghaire,
Co. Dublin. A96 C7W7

T: +353 (0)1 271 2200

E: dublin@punchconsulting.com

W: www.punchconsulting.com

OFFICES

97 Henry Street, Limerick, V94 YC2H
T: +353 (0)61 221 200

Elm Court, Boreenmanna Road, Cork, T12 HHW2
T: +353 (0)21 462 4000

Carleycon House, Main Street, Oranmore, Co. Galway, H91 T026
T: +353 (0)91 703 500

Unit 2, The Doges Building, Templeton On The Green, Glasgow,
G40 1DA, Scotland
T: +44 (0)141 550 7270

The Ropewalks, Newton Street, Macclesfield, Cheshire, Sk11 6QJ
T: +44 (0)1625 615563

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Cian Murphy**, BE, MSc, CEng, MIEI, FConsEI
- **Ronan Stokes,** BE, CEng, FIEI, MIStructE, FConsEI
- **Tim Murnane,** BEng, CEng, FIEI, FICE, FConsEI, EurIng

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEERS

- **David Coughlan**, BEng(Hons), CEng, MIEI, RConsEI
- **Johan-Theo Myburgh**, BEng, CEng, MIEI, RConsEI
- **Kevin O'Riordan,** BEng, CEng, MIEI, RConsEI
- **Ralmar Roberts**, BEng(Hons), MEng, CEng, MIE, RConsEI

TOTAL EMPLOYEES

140

ABOUT THE FIRM

PUNCH was founded in 1973 in Limerick. The vision of its founding members was to create sustainable, high quality engineering employment in the mid west region. This vision has been fully realised and 50 years later, the company has expanded geographically to have offices in the four largest cities in the Republic. Additionally, we have two offices in the UK – Glasgow and Macclesfield. We provide engineering consultancy services in the area of civil, structural and environmental engineering. Our highly skilled team has extensive experience of planning, detailed design and construction and we have an extensive portfolio of completed projects throughout Ireland and beyond. Some notable award winning projects include: International Rugby Experience Building, National Gallery of Ireland, National Forensic Mental Hospital Dublin, Adare Manor and Thomond Park Rugby Stadium.

ENGINEERING ACTIVITIES

Civil, Structural, Environmental, Transportation, Flooding, Assigned Certifier, Health and Safety (PSDP), Expert Witness and Government Advisory Work.

PROJECT TYPES

Residential, Office Developments, Industrial, Logistics, Bridges, Marine, Commercial, Museums/Cultural, Education Facilities, Roads, Heritage and Refurbishment, Sports and Leisure, Healthcare, Hotels, Waste Treatment, Water Supply and Conservation.

RENDEL INGEROP IRELAND

Office 109, Level 1, The Chase, Carmanhall Road,
Sandyford, Dublin. D18 Y3X2

T: +353 (0)1 575 7823

W: www.rendel-ltd.com

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Peter Morehan,** BE, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

1

ABOUT THE FIRM

Rendel Ingerop Ireland Limited is the Irish subsidiary of Rendel Limited, a privately owned, multidisciplinary international design and engineering firm whose history dates back to 1838. Rendel, an Ingerop Group Company provides consultancy services to international contractors and clients on major engineering and construction projects worldwide. Rendel's focus is on the delivery of engineering services in the bridges, tunnelling, geotechnical, highways, rail, water, energy and industry fields. We provide award-winning services throughout the entire life cycle of a project, from project investment and planning to detailed design and construction supervision.

ENGINEERING ACTIVITIES

Civil, Geotechnical and Structural.

PROJECT TYPES

Ports & Harbours (jetties, breakwaters, quay walls, marinas, materials handling, etc), Bridges (moving, cable-supported, extradosed, etc), Highways, Immersed tube tunnels and cut-and-cover structures, Geotechnics (deep basements, heavy foundations, etc), Rail (high-speed, conventional, light rail), Linear Infrastructure, Energy (nuclear, hydrogen, power transmission, etc.), Industry and Temporary Works.

RKA CONSULTING ENGINEERS

2 Clogheen Business Park, Blarney Road,
Cork. T23 X70V

T: +353 (0)21 439 9799

E: admin@rka.ie

W: www.rka.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Raymond F. Keane,** BE, MEngSc, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

9

ABOUT THE FIRM

RKA Consulting Engineers is an ISO9001:2015 accredited firm of consulting engineers and project managers. The practice, which was established in 1985, provides expertise in civil and structural engineering and project management. The practice is structured to offer a comprehensive range of engineering and project management services. We take pride in delivering a dedicated personalised service to our clients.

ENGINEERING ACTIVITIES

Engineering Activities.

PROJECT TYPES

Land Use Feasibility Studies, Retail and Forecourt Developments, Residential and Regeneration Projects, Building Conservation Projects, Office, Commercial and Business Park Developments, Industrial and Waste Management Developments, Land Surveying and Mapping.

ROADPLAN CONSULTING

7 Ormonde Road, Kilkenny. R95 N4FE

T: +353 (0)56 779 5800

E: info@roadplan.ie

W: www.roadplan.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Dermot Donovan,** BE, Dip Env Eng, CEng FIEI, FConsEI

TOTAL EMPLOYEES

12

ABOUT THE FIRM

Roadplan Consulting provides engineering consultancy services in road design, road safety and transportation assessment. Roadplan Consulting was established in late 2003 and operates from our offices in Kilkenny City. Our staff has a wealth of experience in all areas of the roads and traffic industry and serves the needs of a broad public and private client base.

ENGINEERING ACTIVITIES

Road Design, Road Safety Assessment, Urban Mobility, Transportation Analysis, Statutory Processes.

PROJECT TYPES

Roads, Urban Realm, Road Assessment Management.

ROGER MULLARKEY & ASSOCIATES

Duncreevan, Kilcock, Co. Kildare. W23 C4E9

T: +353 (0)1 610 3755 / +353 (0)87 232 4917

E: info@rmullarkey.ie

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Roger Mullarkey,** BSc(Eng), DipEng, CEng, MIEI, Eur Ing, FConsEI

TOTAL EMPLOYEES

3

ABOUT THE FIRM

With over 30 years of experience, Roger Mullarkey has a vast experience right across the construction industry sector and has gained a strong reputation as a professional, safe, efficient and reliable consultant engineer who has always maintained a strong commitment to clients in providing a comprehensive consultancy service. Roger provides a high quality design in a cost efficient manner with a client-centred approach. Maintaining a personal commitment to every project from inception to completion is a proven attribute of Roger Mullarkey and is reflected by the respect he has gained in the quarter of a century of his consultancy experience.

ENGINEERING ACTIVITIES

Structural Engineering Design, Civil Engineering Design, Site Supervision, Structural Building Surveying.

PROJECT TYPES

Residential, Commercial & Retail Developments, Hotel/ Accommodation Schemes, Land Use Feasibility, School Projects, Community Buildings, Local Authority Projects, New and Remediated Industrial Developments, Conservation Refurbishment and Due Diligence.

ROUGHAN & O'DONOVAN

The Chase, Arkle Road, Sandyford,
Dublin. D18 Y3X2

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E: info@rod.ie

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OFFICES

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T: +353 (0)1 294 0800

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Richard Marc Jones**, BEng (Hons), CEng MICE, CEng MIEI, FConsEI
- **Mark Kilcullen,** BE, MSc, CEng MIEI, FConsEI
- **Seamus MacGearailt,** BE, CEng FIEI, FConsEI
- **Aonghus O'Keeffe,** BEng, MEngSc, MBA, CEng MIEI, FConsEI
- **Daire O Riagáin,** BE(Hons), P.Grad.Dip Cons Law, CEng, MIEI, FConsEI
- **Eoin O'Catháin,** BE, MSc, HDip, CEng MIEI, FConsEI
- **Anthony Mulligan,** BE, CEng MIEI, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEERS

- **Andrew Thomson,** PhD, BAI, BA, HDip (PrjMgt), CEng MIEI, RConsEI
- **Edward Warren,** BE Civil, CEng MIEI, RConsEI
- **Peter King,** BA, BAI, PGrad.Dip, CEng MIEI, RConsEI
- **Ciaran McGee,** CEng MIEI, BEng(Hons), BEng(Ord), HC in Civil Eng, RConsEI
- **Matthew Ryan,** MSc, BE(Hons), CEng MIEI, RConsEI
- **Richard Spencer,** BE(Hons), CEng MIEI, RConsEI

TOTAL EMPLOYEES

265

ABOUT THE FIRM

Founded in 1974 the company has expanded to a leading position in the Irish market providing integrated multi-disciplinary professional services through all project phases. Current projects include TII eMOS, TII MCAAS, A5 WTC, Waterford City Public Infrastructure Project, HSE CNU PPP, HSE Decarbonisation Pathfinder, West Clare Greenway, BusConnects, Cork Area Commuter Rail Project, N5 Ballaghaderreen to Scramoge, N4 Mullingar to Longford and Narrow Water Bridge. The company's research group have undertaken investigation on the use of AI in the road sector.

ENGINEERING ACTIVITIES

Asset Management, Buildings, Bridges, Civil, Environmental, Energy, Flood Modelling and Defences, Geotechnics, ITS, Planning, Ports and Harbours, Rail, Roads, Greenways, Research, Site Development, Structural, Traffic and Transportation, Water and Wastewater, Contract Administration, Project Supervisor Design Process (PSDP).

PROJECT TYPES

All types of projects in the practised fields of engineering from feasibility through to handover.

RYAN ASSOCIATES CONSULTING ENGINEERS

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Dublin 4. D14 W6K3

T: +353 (0)1 299 0730

E: info@ryanassociates.ie

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Valentine Ryan,** BSc, CEng, MIEI, MIStructE, FConsEI

TOTAL EMPLOYEES

3

ABOUT THE FIRM

Established in 2003 we specialise in the design of building structures and associated civil engineering works and the monitoring of their construction. We are passionate about buildings and about our role in the design and construction process. We aim to deliver technically excellent, sustainable and cost-efficient solutions.

We believe in a collaborative process involving client, design team and contractors. This is key to achieving our common goal – another successful project.

ENGINEERING ACTIVITIES

Civil, Structural, Conservation, Project Management.

PROJECT TYPES

Domestic, Residential, Multi-storey Residential , Commercial Developments, Industrial and Warehousing , Retail, Offices, Hotels/Leisure, Schools, Healthcare, Nursing Homes, Conservation, Expert Reports.

RYAN HANLEY

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OFFICES

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Building 1000, Gateway Business Park, New Mallow Road, Cork.
T: +353 (0)91 587 116

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Ger Gibney,** BE, CEng, MIEI, FConsEI (Managing Director)
- **Elaine Shields,** BE, MEngSc, CEng, MIEI, MCIWEM, FConsEI
- **Daniel Bourke,** BE, M.Info Tech, APM, CEng, FConsEI
- **Patrick Scally,** BE, MEngSc, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

150

ABOUT THE FIRM

Founded in 1931. Present company formed in 1980.

ENGINEERING ACTIVITIES

Civil and Structural, Water, Wastewater, Drainage, Environmental, Flood Control, River Management, Water Conservation, Asset management, Roads, Traffic, Site Development, Structural Design of Buildings and Bridges, Project Management, Quantity Surveying, Statutory Compliance, Marine, Leisure.

PROJECT TYPES

Water Resource Planning, Water Treatment, Water Supply, Water Conservation, Water System Management, Drainage Urban, Hydrological Studies, Flood Control, Wastewater Treatment, Marine Outfalls, Environmental Impact Statements, Transportation, Traffic Analysis, Roads, Bridges, Building Design, Ecological Assessments and Reports.

SDS DESIGN ENGINEERS

Unit 9, N5 Business Park, Castlebar, Co. Mayo.
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E: info@structuraldesign.ie

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Galway : Comworks, Station Road, Loughrea, Galway. H62VN56
T: +353 (0)94 903 4914

London : Bridge House, 25-27 The Bridge, Wealdstone, Harrow. HA3 5AB
T: +44 203 026 6724

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T: +34 662 556 212

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Danny Groarke,** MSc, BE, DIC, FConsEI

TOTAL EMPLOYEES

20

ABOUT THE FIRM

SDS design engineers was established in 2003. We are a design-focussed civil, structural, architectural and geotechnical engineering practice. We employ architects and building engineers to enhance our service to clients. We are experts in the construction of low-rise buildings, the analysis of ground conditions, and foundation design. Our clients are in public and private sectors, including government bodies, developers, main contractors and owners. We work with clients across the UK, Ireland and Spain to create quality, efficient and sustainable design solutions for the future. Key to our success has been our long-term relationships with our existing client base who continuously re-engage with us on new projects and designs. Our reputation of excellence is a product of knowledge, teamwork, dedication, communication and total commitment to achieving top quality results. Our commitment to quality means that all contracts are continuously monitored and assessed to ensure that they are completed on time, within client budgets and most importantly, according to the company's and the clients' standards and specifications. Our highly skilled and experienced design team are fully competent with the most up to date software and are always available to offer you advice and design solutions on any challenges you may be facing on your project. By using our innovative and efficient design thinking we are always able to propose significant acceleration in construction activities.

ENGINEERING ACTIVITIES

Structural, Civil, Water/Waste Water, Geotechnical, Temporary Works, Assigned Certifier.

PROJECT TYPES

Residential, Commercial, Mixed Development, Industrial/ Warehousing/Data Centres, Education, Healthcare, Hotels, Municipal Buildings, Bridges, Restoration & Protected Structures, Car Parks (including multi-storey).

SEMPLE & MCKILLOP

Unit 6, Drumillard Retail Park, Monaghan Road,
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OFFICES

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T: +44 (0) 28 9033 1700

Enniskillen: The Workhouse, 2 Erne Road, Enniskillen, BT74 6NN
T: +44 (0) 28 6672 0077

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Stephen Finch,** BEng, CEng, FIEI, FConsEI

TOTAL EMPLOYEES

47

ABOUT THE FIRM

As a multi award-winning practice, we have experience across all sectors. With significant new build and refurbishment works experience, our expertise is particularly strong within the education, healthcare, housing, retail and commercial sectors. We have developed an impressive local and international client base in both the public and private sectors.

ENGINEERING ACTIVITIES

Mechanical, Electrical, Plumbing, Low Carbon and Environmental Consultancy, Specialist Technical Services.

PROJECT TYPES

Education, Healthcare, Housing, Retail and Commercial sectors.

SIOBHAN FAHEY

Chartered Engineer and Chartered Arbitrator,
15 Newpark, Newtownpark Avenue, Blackrock,
Co. Dublin. A94 D6H0

T: +353 (0)1 515 7254

E: siobhanfahey@protonmail.com

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Siobhan Fahey,** BA, BAI, LLB, DiplArb, CEng, MIEI, FCIArb, CIArb Accredited Mediator. FIDIC International Accredited Trainer. CIArb Accredited Adjudicator (Republic of Ireland), FIDIC President's List Adjudicator, Adjudicator on the Ministerial Panel of Adjudicators under the Construction Contracts Act 2013. FConsEI

TOTAL EMPLOYEES

3

ABOUT THE FIRM

Siobhan Fahey is a Chartered Civil Engineer who specialises in construction law. Her particular expertise is in the avoidance and resolution of construction disputes. An independent consultant since 2004, Siobhan spends her working life as an Arbitrator, Conciliator, Adjudicator, Dispute Board Member and Mediator of construction disputes. She also provides advice and training on contracts, dispute avoidance and dispute resolution.

Siobhan became a Chartered Engineer in 1996, completed a law degree in 1997, obtained a postgraduate diploma in arbitration in 2000, became a Chartered Arbitrator in 2009, qualified as an Accredited Mediator with CIArb in 2011, an International Accredited Trainer with FIDIC in 2012 (Module 1) and 2013 (Module 2), a CIArb Accredited Adjudicator (Republic of Ireland) in 2014, a FIDIC President's List Adjudicator in 2016, and an Adjudicator on the Ministerial Panel of Adjudicators under the Construction Contracts Act 2013 in 2021.

She has worked in Ireland, the United Kingdom, Europe and the Far East, for consulting engineering firms, government agencies, contractors and consultancy firms advising contractors and developers.

Siobhan is on the FIDIC President's List of Approved Dispute Adjudicators, and on the panels of Arbitrators and Conciliators held by Engineers Ireland and by the Chartered Institute of Arbitrators. She is a former Chair of the Dispute Resolution Board of Engineers Ireland.

She is a frequent speaker at FIDIC international conferences, and at training workshops and seminars run by the Chartered Institute of Arbitrators, Engineers Ireland, the Society of Construction Law, and Kings College London.

In FIDIC Siobhan was a Member of the Contracts Committee (CC) from 2018 to 2022; the CC's Principal Drafter of the FIDIC 2017 construction, plant & design-build and EPC/turnkey forms of contract (and their 2022 updates); and the CC's Principal Drafter of the FIDIC Contracts Guide 2022.

She was also a member of ICC's expert panel for revision of the ICC Dispute Board Rules in 2015.

ENGINEERING ACTIVITIES

Arbitration / Mediation, Civil, Legal / Forensic, Dispute Resolution, Adjudication, Conciliation.

PROJECT TYPES

Civil Engineering, Building and Commercial.

STEM CONSULTING ENGINEERS

4-5 Burton Hall Road, Sandyford, Dublin.
D18 A094

T: +353 (0)87 2653640

E: info@stemtech.ie

W: www.stemtech.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Arthur Shirran,** BSc(Eng), Dip Eng, Dip Proj Mgmt, CEng, MIEI, MIStructE, FConsEI
- **Thomas Griffin,** BSc(Eng), Dip Eng, Dip Proj Mgmt, CEng, MIEI, MIStructE, MSc Const. Info, FConsEI

TOTAL EMPLOYEES

8

ABOUT THE FIRM

Stem Consulting Engineers provides civil and structural design services across a wide range of sectors. We offer practical, efficient, and cost-effective solutions for both private and public sector projects. With a focus on quality and attention to detail, we work closely with clients, architects, and contractors to ensure successful project delivery from start to finish.

Our team has extensive experience in structural design, site development, and civil engineering, and we are committed to delivering safe, sustainable, and innovative solutions that meet the unique requirements of each project. At Stem, we take pride in our ability to tackle complex engineering challenges with a practical approach that combines technical expertise with clear communication.

We believe in building strong, lasting relationships with our clients, based on trust and transparency. Our goal is always to provide engineering solutions that are not only effective but also add value to the communities and environments we work in.

ENGINEERING ACTIVITIES

Structural Engineering, Civil Engineering, Temporary Works Design, Renovation of Historic Structures, Façade design, Health & Safety.

PROJECT TYPES

Retail, Education, Healthcare, Housing, Commercial, Industrial, Logistics Parks, Manufacturing Facilities, Protected structures, Civic and Public Buildings, Renovations and Civil Projects.

SWECO

Glandore Business Centre, 3rd Floor, City Quarter, Lapp's Quay, Cork. T12 Y3ET

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E: info@sweco.ie

W: www.sweco.ie

OFFICES

The Greenway, Block C, Ardilaun Court, 112-114 St Stephen's Green, Dublin 2, D02 TD28

Cork: 4th Floor, 1 Horgan's Quay, Waterfront Square, Cork, T23 PPT8

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **John Ryan**, CEng, BEng, MSc Business Economics, FConsE

TOTAL EMPLOYEES

10 in Ireland, 15,000 in Europe

ABOUT THE FIRM

Sweco plans and designs the communities and cities of the future. The results of our work are sustainable buildings, efficient infrastructure and access to clean water. With 15,000 employees in Northern Europe, we offer our customers the right expertise for every project. We carry out projects in 70 countries annually throughout the world. Sweco is Europe's leading architecture and engineering consultancy.

ENGINEERING ACTIVITIES

Active Travel, Asset Management, BIM, Bridge Engineering, Building and Specialist Structural Engineering, Building Services, Building Structures, Carbon Management, Construction Supervision, Contaminated Land and Water Quality, Development Infrastructure, District Heating, Due Diligence Services, Ecology, E-mobility, Energy Storage, Environmental Impact Assessment/ EIAR, Expert Witness Services, Fire Engineering, Flood Risk Management, Gas to Grid and Biomethane Upgrading, Grid Services, Ground Engineering, Highway Engineering, Intelligent Building Solutions, Intelligent Transport Systems, Landscape Design, Multimodal Studies, Offshore Wind, Onshore Wind and Hydro, Pavement Engineering, Project Management, Real Time Systems and Data, Regulation, Risk and Value Management, Road Safety Audits, Site SCADA Systems, Sludge Treatment, Solar, Stakeholder Management, Sustainable Development and Planning, Telemetry Systems, Thermal Biomass and CCGT, Traffic Engineering and Design, Transport Appraisal, Transport Economics, Transport Modelling, Transport Planning for Development, Transport Policy and Strategy, Transportation Feasibility Studies, Travel Behaviour Change, Travel Planning, Value Engineering, Waste and Regulatory, Waste and Resources Management, Wastewater Infrastructure, Wastewater Non Infrastructure, Water Infrastructure, Water Non-Infrastructure, Water Resources.

PROJECT TYPES

Asset Management, Building Engineering, Energy, Environment, Transport Planning, Development Infrastructure, Transportation Infrastructure, Water, Landscape Architecture.

SYSTEMCORE BUILDING CONSULTANTS LTD

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T: +353 (0)1 541 3004

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Conor McGinn**, CEng, MSc, BEng (Hons), FConsEI

TOTAL EMPLOYEES

12

ABOUT THE FIRM

Established in 2021, SystemCore are the next generation of M&E consulting engineers. We are a mechanical, electrical and digital building services consultancy delivering compliant, innovative and comprehensive design solutions for complex buildings. SystemCore are dedicated to designing systems for low carbon, self-optimising spaces. We enhance operational efficiency, occupant well-being, and environmental impact. Our focus is on creating value for building portfolio stakeholders and future-proofing building design through a commitment to electrification and the elimination of fossil fuels, reducing energy consumption, digitising buildings and implementing energy monitoring, fostering local energy generation and flexibility, and ensuring asset protection and risk mitigation.

ENGINEERING ACTIVITIES

Mechanical, Electrical, Digital and Environmental services. SEAI grants.

PROJECT TYPES

Commercial, Healthcare, Hospitality, Retail, Office, Industrial, Pharma.

TETRA TECH RPS

West Pier Business Campus, Dún Laoghaire,
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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Willie Madden,** BA, BAI, MSc, PG Cert Mgt, CEng, FConsEI (Managing Director)
- **Gerry Carty,** BE, ME, CEng, FIEI, C.WEM, MCIWEM, MInsD, FConsEI
- **Christy O'Sullivan,** BA, BAI, MSc, CEng, CWEM, FIEI, MICE, MCIWEM, FConsEI
- **Grellan McGrath,** BE, CEng, FConsEI
- **David McHugh,** BE, MBA, CEng, MIEI, C.WEM, MCIWEM, FConsEI
- **Alan Curran,** BA, BAI, CEng, Post Grad DipEng, Post Grad Dip Mgt, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEERS

- **Brendan Brice,** BE, MEngSc, CEng, MIEI, RConsEI
- **Eamon Cox,** BE, CEng, MassPE, DipPM, RConsEI
- **Gareth McElhinney,** BE, MBS, CEng, MIEI, PMI-PMP, RConsEI
- **Paul O'Riordan,** BE, CEng, MIEI, RConsEI
- **Rowan O'Callaghan,** BE, MEngSc, DipIT, CEng, MIEI, RConsEI
- **Michael Minehane**, BEng(Hons), MEng, DipHE, CEng, MIEI, RConsEI

TOTAL EMPLOYEES

480

ABOUT THE FIRM

We are an integrated multidisciplinary engineering, environmental, planning, project management and project communications consultancy. Part of Tetra Tech since 2023. Established in 1967.

ENGINEERING ACTIVITIES

Airports, Asset Management, BIM, Bridges, Civil, Energy, Environmental, Fire, Geotechnical, Health & Safety, Industrial & Commercial, Mechanical/Electrical, Planning, Pharmaceutical, Ports/Harbours, Project Management, Road, Rail, Structural, Sustainability, Waste, Wastewater and Water.

PROJECT TYPES

Catchment & Marine Management, Civil (incl Associated Structures), Energy (inc. Renewables), Environment and Ecology (inc. AA/EIA/SEA), Flood Risk Management, Geotechnical / Hydrological/ Hydrogeological, Health & Safety, Information Technology (inc GIS), Marine, Oil, Gas and Water Pipelines, Planning, Project Management, Public Private Partnership (PPPs/DB/DBO), Risk Assessments, Roads/Ports/Rail/Airports, Stakeholder Management & Communications, Structural/ Buildings/Bridges, Sustainability, Transport Planning, Waste Management, Water/Wastewater.

TG LENIHAN & CO

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Tim Lenihan,** BE, CEng, MIEI, FConsEI

TOTAL EMPLOYEES

4

ABOUT THE FIRM

Established in 2003, TG Lenihan has established a reputation in the region as being capable of providing a professional service in all aspects of civil and structural engineering. We have a track record in successfully completing large commercial and industrial projects. Based in a rural town, we also have established a reputation in the local community as providing civil engineering services, including house surveys, mapping, land surveys, fire certificates, DAC certificates and more.

ENGINEERING ACTIVITIES

Structural Design, Project Management, Assigned Certifiers.

PROJECT TYPES

Industrial Warehousing, Churches, Industrial Plants, Schools, Sports Stadia, Housing Developments, Agricultural.

THE McKENNA PEARCE PRACTICE

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Jonathan A. O'Neill,** BSc(Eng), PDipProjMan, CEng, MIEI, MIStructE, FConsEI

TOTAL EMPLOYEES

3

ABOUT THE FIRM

Formed in 1996 by the amalgamation of Pearce Associates, Consulting Engineers (est.1981) and T.A.McKenna & Partners, Consulting Engineers (est. 1978). The aim of the practice is to provide effective engineering solutions consistent with our clients programme and budget.

ENGINEERING ACTIVITIES

Engineering Design: Structural,Civil, Building Refurbishment and Conservation; Safety: Fire Safety, Health & Safety (PSDP); Project Management: Feasibility Studies, Planning, Assigned Certifier, Insurance Claims & Investigations.

PROJECT TYPES

Commercial Developments including Retail and Office Complexes, Industrial and Manufacturing Developments, Residential Developments including Multi-Storey Apartments, Hotel, Leisure and Sports Complexes, Schools, hospitals and religious buildings, Aviation Projects, Domestic.

T.J. O'CONNOR & ASSOCIATES

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

- **Edward Fitzgerald,** BE, CEng, MIEI, MICE, MCIWEM, FConsEI
- **Michael Moriarty,** BE, MEngSc, CEng, FIEI, FConsEI
- **Siobhán Moneley,** B.E., MSc(Eng), PgCert BIM Tech, PgDip Collab. BIM, CEng, FIEI, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEERS

- **Diarmuid Cahalane,** BE, MEngSc, DipConstLaw, CEng, FIEI, CWEM, MCIWEM, RConsEI
- **Liam Clear**, BE, MICE, MCIWEM, CEng, RConsEI
- **John Meade,** BSc(Eng), Dip Eng, Dip Proj Mgmt, CEng, MIEI, MIStructE, RConsEI
- **Niall McCaffrey,** BSc(Eng), Dip Eng, PGDip H&S, PMP®, CEng, MIEI, CertIOSH, RConsEI
- **Ronan McElwain,** BEng(Hons), MSc Mgmt, PGDip ABRC, PGDip H&S, CEng MIEI, MIStructE, MICE, RConsEI
- **Ronan Doyle,** BEng(Hons), CEng, MIEI, CWEM, MCIWEM, RConsEI
- **Catriona McAuliffe,** BEng(Hons), PGDip H&S, CEng MIEI, RConsEI

TOTAL EMPLOYEES

50

ABOUT THE FIRM

Established in 1937 by Mr T. J. O'Connor and subsequently formed into T. J. O'Connor & Associates.

ENGINEERING ACTIVITIES

Civil and Structural Engineering.

PROJECT TYPES

Civil

Water Supply Schemes, Water Treatment Plants, Drainage Schemes, Waste Water Treatment Plants, Flood Relief Schemes.

Structural

Hospitals, Town Centres / Shopping Centres, Apartments, Schools, Office Developments, Industrial Buildings.

BIM

Level 2 BIM / ISO 19650 compliant on all Civil and Structural Engineering Projects.

TOBIN

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEERS

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- **Ciaran McGovern,** BEng, MBA, CEng, FIEI, MInstD, FConsEI
- **Brian Gallagher,** BE, MEngSc, CEng, FIEI, FConsEI
- **Damien Grehan,** BE, MEngSc, CEng, FIEI

TOTAL EMPLOYEES

205

ABOUT THE FIRM

TOBIN is a multidisciplinary professional services practice operating in the built environment and renewables sector in Ireland, with over 70 years' experience in infrastructural development since our foundation by Patrick J Tobin in 1952.

ENGINEERING ACTIVITIES

Building & Infrastructure, Environment & Planning, Water & Utilities and Roads & Transportation.

PROJECT TYPES

Building & Infrastructure: Structural Engineering, Civil Engineering, Roads & Transportation Engineering, Specialist Sports Infrastructure Design, Project Management, Quantity Surveying & Cost Management, Contract Administration, Assigned Certifier, PSDP / Health & Safety, Planning Assistance Consultancy Services, Fire Safety & Disability Access Certificate Design, Civil & Statutory Consents.

Water & Utilities: Blue-Green Infrastructure, Design Build, Flood Risk and Dams, Asset Strategy.

Environment & Planning: Environmental Impact Assessments, Local Authority Planning Applications, Strategic Infrastructure Development (S.I.D.) Planning Applications, Waste Management Planning (Construction & Operational), Environmental Due Diligence Assessments, Appropriate Assessments / NIS, Construction & Environmental Management Plans, Contaminated Land Assessment & Remediation Due Diligence, Ecological Assessments, Ecological Clerk of Works (ECoW), Environmental Monitoring, Expert Witness for Oral Hearings, Groundwater Vulnerability Mapping, Hydrogeological Assessments, Biodiversity.

Roads & Transportation: Active Travel, Transportation Engineering, Road Maintenance, Road Design.

TORQUE CONSULTING ENGINEERS LTD

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Ken Moriarty** (Managing) BSc(Eng), DipStructEng, CEng, FIEI, FIStructE, Eur Ing, FConsEI

TOTAL EMPLOYEES

2

ABOUT THE FIRM

Torque Consulting Engineers was founded in 2013 by Ken Moriarty. Based in Dublin, our vision is to provide excellent design coupled with strong personal relationships and customer satisfaction. Ken has a wealth of experience acting as project director on many significant public, commercial, retail, residential and protected structures. Ken is a Fellow of Engineers Ireland since 2013 and a Fellow of The Institution of Structural Engineers since 2015. Torque Consulting Engineers is committed to providing clients with friendly, personal and professional service from inception of the project to practical completion and beyond.

ENGINEERING ACTIVITIES

Structural Engineering, Civil Engineering, Project Management.

PROJECT TYPES

Structural Engineering projects of any size across all sectors, Civil Engineering, Engineering Inspection & Assessment Reports, Due Diligence Reports, Feasibility Studies, Value Engineering, Planning & Development, Protected Structure refurbishment.

VARMING CONSULTING ENGINEERS LTD

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- **Joseph Greene,** BSc Elect Eng, CEng, MIEI, FConsEI
- **Declan Doyle,** BSc Elect Eng, CEng, MIEI, FConsEI
- **Sean Neary,** BE (Hons), CEng, MIEI, MCIBSE, FConsEI

TOTAL EMPLOYEES

57

ABOUT THE FIRM

Founded in 1946. Linked to Varming offices in London, Sydney, Copenhagen, Hong Kong and New York. Integrated Quality Assurance Environment & Health and Safety Certification Systems to IS EN ISO 9001:2015, IS EN ISO 14001:2015, IS ISO 45001:2018. EI Accredited CPD Company.

ENGINEERING ACTIVITIES

Mechanical and Electrical Building Services, MV Installation Design, IT & Utility Infrastructure Planning, Energy Efficient Design Expertise, Dynamic Simulation Modelling, BREEAM Assessments, Passive House Design, Infrastructure Planning, Fire Protection & Security Systems Engineering, Regulatory Compliance, Sustainable Design, Energy Modelling, Project Management, Project Supervisor Design Process.

PROJECT TYPES

Healthcare Buildings, Public and Commercial Office Buildings, Residential Buildings, Educational Buildings, Hotels & Conference Centres, Retail Shopping Centres, Classified Laboratories, Cleanrooms, Industrial Production Buildings, Period/Historical Buildings.

WALSH DESIGN GROUP

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FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Michael Walsh**, BE Dip Mech Eng, Ceng, MIEI, FConsEI

TOTAL EMPLOYEES

13

ABOUT THE FIRM

Walsh Design Group is a leading firm of consulting civil and structural engineers. Established in 1995, the company has built a reputation for excellence in the design, management, and execution of a wide range of projects in the commercial, residential, private and public sectors.

We operate a strict Quality Management System and are ISO 9001:2015 accredited by the NSAI. We have also been awarded Certification with IQNET, the international certification network. In addition, we engage with regular Continuing Professional Development to ensure best practice.

ENGINEERING ACTIVITIES

Civil Engineering; Structural Engineering; Project Management; Drainage Systems; Infrastructure Development; Wastewater Treatment; Assigned Certifier; Design Certifier; PSDP; Employers Representative; Fire Safety Certificates; Disability Access Certificates; Planning Applications; Condition and Dilapidation Reports.

PROJECT TYPES

Medium and Large Residential Developments; Commercial Buildings; Industrial Facilities; Local Authority Infrastructure; Education Facilities; Conservation and Restoration of Historic Buildings; Recreation / Amenity.

WATERMAN MOYLAN

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- **Richard Osborne,** BEng (Hons), CEng, MIEI, FConsEI

RConsEI - ACEI REGISTERED PROFESSIONAL CONSULTING ENGINEERS

- **Eoghan Loughrey,** BSc(Eng), DipEng, DipBldgConsr, CEng, Eur Ing, MIEI, MICE, RConsEI
- **Mark Duignan,** MA, BAI, CEng, MIEI, RConsEI
- **Michael Conneally,** BE, CEng, MIEI, CPEng, IntPE, RConsEI
- **Niall Coughlan,** BAI, CEng, RConsEI
- **Margaret Dolan,** Tech Cert, BSc(Hons), CEng, MIEI, RConsEI
- **Ian Worrell,** BScEng, DipEng, CEng, MIEI, DipPhysPlg, RConsEI
- **Kevin Farrell,** CEng, MEng, BSc Deg, MIEI, RConsEI
- **Anthony Byrne,** BA BAI, CEng, RConsEI

TOTAL EMPLOYEES

108

ABOUT THE FIRM

Waterman Moylan was established in 1980 and joined the Waterman group in 2000. It offers civil, structural, mechanical, electrical and construction related health and safety consultancy and design services for the built environment to its clients.

The firm provides professional services throughout the complete life cycle of an asset, starting from initial surveys and concept planning through to design, delivery, project management, construction monitoring and ongoing maintenance. Its core values are excellence in engineering standards allied to a focus on delivering practical and economic solutions for its clients.

Working with government agencies, local authorities and private sector clients to provide innovative, sustainable and economic solutions across a wide spectrum of business activities, Waterman Moylan has delivered a diverse range of projects across all main market sectors ranging from city centre regeneration to new highway schemes; mixed use development to signature education buildings; large commercial offices to public realm enhancement.

The firm operates an integrated management system which is accredited to ISO 9001 and ISO 14001 to ensure a consistent high quality of service to its clients.

ENGINEERING ACTIVITIES

Civil, Structural, Marine, Traffic, Transportation, Building Services, BREEAM/LEED Assessment, Project Management, Health and Safety.

PROJECT TYPES

Offices, Residential, Retail, Leisure Facilities, Public Buildings, Schools, Hospitals, Industrial Buildings, Conservation, Refurbishment, Roads, Bridges, Drainage, Water Supply, Railways, Site Development, Marinas, Ports and Harbours, Traffic, Waste Management, Surveys.

WEW ENGINEERING LTD

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W. www.wewengineering.ie

FConsEI - ACEI FELLOW PROFESSIONAL CONSULTING ENGINEER

- **Seamus Crickley**, BE, Eur Ing, CEng, FIEI, WEF, RGFI, FConsEI

TOTAL EMPLOYEES

17

ABOUT THE FIRM

WEW Engineering Ltd. is a multi-disciplinary specialist Consulting Engineering Company within the Fingleton White Group. and is dedicated solely to the Water, Bio renewables, Energy/Bio-Energy and Wastewater sectors. WEW is a Corporate Member of Engineers Ireland.

The lead engineers have each worked at the cutting edge of water industry developments for more than 40 years and are recognised by their Engineering colleagues as experts in their fields of specialist consultancy, both in the municipal and industrial sectors. WEW is a registered Enterprise-Ireland and IDA Climate Fund green service provider. The company undertakes process design integrated with MEICA selections to provide the most sustainable answers to any water,wastewater,solids,renewables, and decarbonisation applications . Engineering at WEW can transfer proven R&D and emerging technologies to field level utilising BAT.

Service areas at the preliminary stage include master planning, brownfield plant surveys (process/MEICA), comparative evaluation/reporting of feasible alternatives, leading to a costed Preliminary Report.. At project stage services include detailed process and works design with BIM 3D AutoCAD drawings, specifications, PSDP, project management, certification and management of operational procedures. Or dedicated sustainability projects WEW provide planning/licencing, design and commercial evaluation of bio- energy system concepts, energy modulation to minimise carbon footprint of any facility to CEAP and CSRD compliance, Expertise includes operations to reuse water, organic solids, nutrients and CO2, with conversion to co-products, odour removal, licencing/planning and expert witness representation.

WEW are represented on EBA and BIP EU working groups on green technologies. The Client base includes End Clients, Consulting Engineers, Project Management Companies, Contractors/Developers, International Project Design Agencies on National and International projects.

ENGINEERING ACTIVITIES

Water, Energy, Bio-Energy, Renewables, Sewage, industrial Wastewater, PSDP, Sludge Processing, Project Management, Operations Management.

PROJECT TYPES

Municipal, Industrial, Water, Wastewater, Energy, Bio-Energy, Process design, R&D and emerging technologies, Masterplanning, Brownfield plant surveys (process/MEICA), Comparative evaluation/reporting of feasible alternatives, Detailed process and works design, BIM 3D AutoCad drawings, Certification, planning/design, design and commercial evaluation of bio-renewables systems, Energy modulation to minimise carbon footprint, Carbonation evaluations, treatment, Licencing/planning and expert witness.

ACEI REGISTER OF PROFESSIONAL CONSULTING ENGINEERS

NAME	FIRM
FConsEI - ACEI Fellow Professional Consulting Engineers	
Rafid Ajina	Muir Associates Ltd
James Barrett	O'Connor Sutton Cronin
Vincent Barrett	Barrett Mahony Consulting Engineers
Shane Belton	BCE, Belton Consulting Engineers Ltd
Daniel Bourke	Ryan Hanley
Kevin Brackfield	Brackfield Consulting Ltd
Colin Brennan	David Kelly Partnership
Ian Brosnan	Malachy Walsh and Partners (MWP)
Nael G. Bunni	Bunni & Associates Ltd
Rory Burke	J.V. Tierney & Company Ltd
Joe Burns	Arup
Jeff Burt	Egis
Caroline Butler	Clifton Scannell Emerson Associates
John J. Campbell	J.J. Campbell & Associates
John Carr	Heavey Kenny Associates
Gerry Carty	Tetra Tech RPS
John Casey	CORA Consulting Engineers
Niall Clarke	Kavanagh Mansfield & Partners
Andrew Clifford	J.V. Tierney & Company Ltd
Patrick Coleman	P. Coleman & Associates
Paul Condron	PCCE Paul Condron Consulting Engineer Ltd
John Considine	Barrett Mahony Consulting Engineers
Seamus Crickley	WEW Engineering Ltd
Jerry Cronin	Nicholas O'Dwyer Ltd
Jonathan Culleton	Lawler Consulting
Alan Curran	Tetra Tech RPS
Ray Curran	McElroy Associates
Eamon Daly	Egis
Gregory Daly	GDCL Consulting Engineers Ltd
Marcus Dancey	C S Pringle
Beren De Hora	Fehily Timoney & Company
Bernard Denver	Metec Consulting Engineers
Dermot Donovan	Roadplan Consulting Ltd
Shaun Doody	O'Connor Sutton Cronin
John Dooley	Egis
Dermot Doran	MMA Consulting Engineers Ltd
Barry Dorgan	Clifton Scannell Emerson Associates
Pearse Douglas	Douglas Carroll Consulting Engineers
Cian Dowling	Axiseng M&E Ltd
Andrew Doyle	Egis
Declan Doyle	Varming Consulting Engineers
Gerard Doyle	Cundall Ltd
Gabriel Dunne	DBS Engineering Solutions Ltd
Geoff Emerson	Clifton Scannell Emerson Associates
Joseph Ennis	JAE Engineering Ltd
Marcus Fagan	Egis
Glen Faherty	MTW Consultants Ltd
John Fahey	Fahey O'Riordan Consulting Engineers
Siobhan Fahey	Siobhan Fahey
Damien Fallon	D. Fallon Consulting Engineers
Mark Fallon	Fallon Design
Peter Fay	Malachy Walsh and Partners (MWP)
Patrick Field	O'Connor Sutton Cronin
Stephen Finch	Semple & McKillop
Emmet Finegan	Doherty Finegan Kelly
Martina Finn	AtkinsRéalis
Edward Fitzgerald	T.J. O'Connor & Associates
Niall Fitzgerald	Horganlynch Consulting Engineers
Garry Flood	Egis
James Fogarty	Environmental Design Partnership
Frank Fox	Frank Fox & Associates
Matt Fox	Moloney Fox Consulting
Emmet Furey	Furey Consulting Engineers Ltd
Brian Gallagher	TOBIN
Ronan Geoghegan	Clifton Scannell Emerson Associates
Ger Gibney	Ryan Hanley
Mark Gill	Fearon O'Neill Rooney

NAME	FIRM
Raymond D. Goggin	Molony & Millar
Eoin Greene	AECOM
Joseph Greene	Varming Consulting Engineers
Damien Grehan	TOBIN
Thomas Griffin	STEM Consulting Engineers
Danny Groarke	SDS design engineers
Conor Hanney	EirEng Consulting Engineers
John Hayes	DBFL Consulting Engineers
John Hayes	Hayes Higgins Partnership
Joseph Healy	Jennings O'Donovan & Partners Ltd
Paul Healy	O'Connor Sutton Cronin
Paul Henry	CHH Consulting Engineers
Mark Heslin	ORS
Donal Higgins	Hayes Higgins Partnership
Joseph W. Hogan	JWHA
Martin Hogan	Egis
Anthony Horan	O'Connor Sutton Cronin
Jim Hughes	Fehily Timoney & Company
Michael Hughes	Barrett Mahony Consulting Engineers
Norman Irvine	McCrae Consulting Engineers Ltd (MCE)
Isla Jackson	Civic
Michael Jackson	Hanley Pepper
Caimin Jones	GARLAND
Richard M Jones	Roughan & O'Donovan
Liam Kavanagh	Don O'Malley & Partners Ltd
Brian Kavanagh	GARLAND
James Kavanagh	Varming Consulting Engineers
Patrick Kavanagh	BDP
John Keane	DBFL Consulting Engineers
Raymond F. Keane	RKA Consulting Engineers
Derry Kearney	Cundall Ltd
Tracy Kearney	DBFL Consulting Engineers
Gerard Keating	Black & White Engineering (Ireland) Ltd
Pádraic Keena	Malachi Cullen Consulting Engineers Ltd
John Kelly	David Kelly Partnership
Cathal Kelly	Doherty Finegan Kelly
Robert Kelly	Kilgallen & Partners Consulting Engineers Ltd
Ciarán Kennedy	Barrett Mahony Consulting Engineers
David Kiely	Jennings O'Donovan & Partners Ltd
Mark Kilcullen	Roughan & O'Donovan
Morgan Kilgallen	Kilgallen & Partners Consulting Engineers Ltd
John Killian	Killian Consulting Engineers
Brian Lahiff	GARLAND
James Langan	Langan Consulting Engineers
Joe Lee	J.V. Tierney & Company Ltd
John Lee	Malachy Walsh and Partners (MWP)
Tim Lenihan	TG Lenihan & Co
Liam Luddy	Arup
Brian Loughrey	MHL & Associates Ltd
David Lynch	LED (Lynch Engineering Design)
Seamus MacGearailt	Roughan & O'Donovan
Ciarán MacIntyre	Carraig Consultants
Willie Madden	Tetra Tech RPS
Brian Mahony	Barrett Mahony Consulting Engineers
Ken Manley	MHL & Associates Ltd
James Mansfield	Kavanagh Mansfield & Partners
Tom Markham	MTW Consultants Ltd
Pauraic Matthews	Clifton Scannell Emerson Associates
Brian McCann	Waterman Moylan
Gemma McCarthy	Mott MacDonald Ireland
Patrick McCaul	Patrick McCaul Environmental Consulting Engineers Ltd
David McCormack	ORS
Michael McDonnell	TOBIN
John McElvaney	Jennings O'Donovan & Partners Ltd
Tadhg McGillicuddy	MRG Consulting Engineers Ltd
Conor McGinn	SystemCore Building Consultants Ltd
Ciarán McGovern	TOBIN
Grellan McGrath	Tetra Tech RPS
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David McHugh	Tetra Tech RPS
Gavin McHugh	Downes Associates
Gregory McMahon	Egis
Stephen McQuade	2HQ Consulting Engineers Ltd

NAME	FIRM
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Peter Monahan	PMCE Ltd
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Paul Moran	POGA Consulting Engineers
Peter Morehan	Rendel Ingerop Ireland
Ken Moriarty	Torque Consulting Engineers Ltd
Michael Moriarty	T.J. O'Connor & Associates
John Moylan	Waterman Moylan
Anthony Mulligan	Roughan & O'Donovan
Roger Mullarkey	Roger Mullarkey & Associates
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Brian Murphy	MHL & Associates Ltd
Cian Murphy	PUNCH Consulting Engineers
Karel Murphy	Horganlynch Consulting Engineers
Paul Murphy	JODA Engineering Consultants
Sean Neary	Varming Consulting Engineers
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Eoin O'Catháin	Roughan & O'Donovan
Paul O'Connell	Waterman Moylan
Stephen O'Connor	Barrett Mahony Consulting Engineers
Michael O'Doherty	Delap & Waller
Conor O'Donnell	AGL Consulting
Clodagh O'Donovan	Arup
Edward O'Donovan	PHM Consulting Ltd
Jerome O'Donovan	JODA Engineering Consultants
John O'Donovan	NJ O'Gorman & Associates
Richard O'Farrell	Engineering Design Consultants Ltd
Niall O'Kane	Patrick McCaul Environmental Consulting Engineers Ltd
Aonghus O'Keeffe	Roughan & O'Donovan
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Martin Peters	Martin Peters Associates Ltd
John Pigott	CORA Consulting Engineers
Jose Poveda	Fearon O'Neill Rooney
Steve Preece	Egis
Edward Quann	Martin Peters Associates Ltd
Dan Reilly	DBFL Consulting Engineers
David Rehill	David Rehill Consulting
Daniel Ring	Lawler Consulting
Kevin Rudden	GARLAND
John Ryan	Sweco
Joseph Ryan	Hanley Pepper
Peter Ryan	Hendrick Ryan + Associates
Valentine Ryan	Ryan Associates Consulting Engineers
Colm Saul	J.V. Tierney & Company Ltd
Patrick Scally	Ryan Hanley
Eimear Sharkey	Malone O'Regan
Arthur Shirran	STEM Consulting Engineers
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Aislinn Tate	JAE Engineering Ltd
Sinéad Timoney	Fehily Timoney & Company

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Fergus Whelan	Malone Group
Gordon White	Gordon White Consulting Engineers
Robert White	Engenuiti Consulting Engineers
Cormac Woods	AtkinsRéalis

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Billy Bohane	Fehily Timoney & Company
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Trevor Byrne	Fehily Timoney & Company
Diarmuid Cahalane	T.J. O'Connor & Associates
Tom Clayton	Fehily Timoney & Company
Liam Clear	T.J. O'Connor & Associates
Michael Conneally	Waterman Moylan
Eamon Cox	Tetra Tech RPS
David Coughlan	PUNCH Consulting Engineers
Niall Coughlan	Waterman Moylan
Ian Crehan	O'Connor Sutton Cronin
Bryan Dolan	Axiseng M&E Ltd
Margaret Dolan	Waterman Moylan
Paul Doyle	Donnachadh O'Brien & Assoc Consulting Engineers
Ronan Doyle	T.J. O'Connor & Associates
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Simon Dunne	GARLAND
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Fulvio Graniero	Downes Associates
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Niall McCaffrey	T.J. O'Connor & Associates
Ciaran McGee	Roughan & O'Donovan
Gareth McElhinney	Tetra Tech RPS
Ronan McElwain	T.J. O'Connor & Associates
Mark McEntee	CS Consulting Group
Rachel McKenna	Axiseng M&E Ltd
Luke McNamee	CS Consulting Group
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Johan-Theo Myburgh	PUNCH Consulting Engineers
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Rowan O'Callaghan	Tetra Tech RPS
James O'Neill	Fehily Timoney & Company
Kevin O'Riordan	PUNCH Consulting Engineers
Paul O'Riordan	Tetra Tech RPS
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Richard Spencer	Roughan & O'Donovan
Andrew Thomson	Roughan & O'Donovan
Cian Twomey	CS Consulting Group
Edward Warren	Roughan & O'Donovan
Brian West	BDP
Colin Wilson	O'Connor Sutton Cronin
Ian Worrell	Waterman Moylan

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Michael J. Gannon
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ACEI ANNUAL REVIEW AND DIRECTORY OF MEMBERS 2026

ASSOCIATION OF CONSULTING ENGINEERS OF IRELAND

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