



Wind Energy— Ireland Edition 2024

200
Engineers

4
Offices

60 years
Experience in Ireland

€350m
Turnover in energy sector globally

Our Energy services —

Planning & Environment

- Site selection
- SID
- Landscape & visual Impact assessment
- EIAR
- Planning Applications

Procurement & tender process

Contractor's Designer

- Employer's Site representation
- Project Management
- Safety Management System
- Co-ordination of project
- Stakeholder management

Design & Build

- Tender Design
- Detailed Design
- Geotechnical design
- Access roads, hardstandings, substations, alignment, drainage design
- Independent Checker

Egis is a leading global consulting, construction engineering and operating firm.

With operations in over 100 countries, its 19,500 employees work hand-in-hand with clients, across every aspect of transport and the built environment to build a more balanced, sustainable and resilient world.

IMAGINE. CREATE. ACHIEVE.

a sustainable future

Egis has been active in Ireland since 1959, with over 600 staff across 16 offices and sites. Our services span the full engineering value chain, from upstream feasibility studies, through project design, planning and construction supervision to ongoing asset management and operations.

Egis operates and maintains over 470km of Ireland's motorways, bridges and Tunnels. Our engineers are the designers behind some of Ireland's iconic infrastructure.

Egis in renewable energy in Ireland'

Ireland's Climate Action Plan includes a target of increasing the share of renewable electricity to 70pc by 2030. This includes deploying 8.2GW of onshore wind, 1.5 to 2.5 GW of solar photovoltaic (PV), and at least 5GW from offshore wind projects.

Egis supports Ireland's strategy to transition to a low-carbon economy by providing engineering expertise in site and facility assessments, designing onshore wind and solar projects, and facilitating the shift of infrastructure to renewable energy.

The + of Egis —

Multidisciplinary culture

Egis Irish team includes engineers, surveyors, project planners, managers, geotechnologists, and environmental engineers. All skills are brought together in one team.

Digital innovation

We bring the benefit of a 200-strong digital engineering business division giving us access to cutting edge technologies and start-ups incubated as part of Egis.

Collaborative relationships

Egis integration with JB Barry has allowed us to build on long-held local relationships with the support of a global group. Our shared emphasis is on collaboration - we are adaptable and service-focused.

Award winning expertise

Experts in large-scale projects and in all technical disciplines, our team's achievements have been recognised at national (ACEI, Construction Excellence) and global (FIDIC) levels.



Egis Mission

SOLVING THE GREAT EQUATION OF THE 21ST CENTURY SUCCESSFULLY BLENDING

- Quality of life
- Socio-economic development
- Mass decarbonisation

By providing essential ecological services, Egis addresses the major challenges of our time, such as climate change and biodiversity loss, and actively contributes to and enhanced standard of life for communities in which we operate.

Egis' Five Climate Pledges:

- Reducing our own GHG emissions to become carbon neutral by 2050
- Reducing our clients' project emissions and limiting their impact on biodiversity through application of eco-design principles on the majority of our projects
- Developing our portfolio in line with the Paris Agreement
- Strengthening the resilience of territories and infrastructure to climate risks
- Strengthening carbon sequestration

We hold ISO certifications in

- ISO 19650-2:2018 BIM*
- ISO 9001- 2015 Quality Assurance
- ISO 14001: 2015 Environmental Management
- ISO 45001: 2018 Health and Safety
- ISO37001 Anti Bribery
- ISO50001 Energy Management

We were an **early adopter** of ISO 19650 BIM: Building Information Modelling



Our services

Planning



2024

Energy Consultancy Services Framework with JV

Specialist geotechnical engineering services, including energy production estimates, turbine technology and performance, wind monitoring specifications, wind data management, business model support, project procurement support, and advisory and technical services

FuturEnergy Ireland



2024

Leitrim | Lissinagroagh

Planning Services

Planning services, including concept and feasibility, options selection, design and environmental evaluation, statutory processes, detailed design and procurement, construction and implementation, and close out and review.

FuturEnergy Ireland

Owner's Engineer

2023

Scotland | Windy Standard III D&B Tender Design

Tender design services, including alignment design and 3D modelling of roads and hardstandings, new sections of track and upgrades, geotechnical site review, substation building design, watercourse crossings review, and deliverables like alignment plans, design programme, basis statements, substation plans, and technical queries.

Farrans Construction



2023

Clare | Knockshanvo Wind Farm

Planning Services

Planning services for Knockshanvo Wind Farm (site investigation, peat stability risk assessment, land and soils, peat and spoil management plans, hydrology and hydrogeology, qGIS shape files, drawings/figures) and Croagh & Cahermurphy Wind Farms (refusals and submitted planning documents).

FuturEnergy Ireland

Design & Build

Contractor's Designer



2023

Scotland | Chirmorie Wind Farm

D&B Tender Design

Planning services, including project management, structural design, civil design, drainage design, public roads, trenching, as-builts, peat stability connection, and cable connection.

Adman



2023

Derry | Corlacky Wind Farm

D&B Tender Design

Planning services, including project management, structural design, civil design, drainage design, public roads, trenching, as-builts, peat stability connection, and cable connection.

Adman

Our services

Planning

Owner's Engineer

Design & Build

Contractor's Designer



2022

Galway | Knockranny Wind Farm

Planning services

Environmental Impact Assessment Report comprising chapters on Soils and Geology, Hydrology and Hydrogeology, Traffic and Transportation, and a Peat Stability Risk Assessment. Egis Geotechnical Engineers also conducted additional peat probing and shear vane analysis and a Peat and Spoil Management Plan.

HW Planning Ltd

2023

Kilkenny | Castlebanny Wind Farm

Owners Engineer - Geotechnical

Geotechnical engineering services, including constructability assessment, Site Investigation (SI) design, site investigation management, and drafting specifications for earthworks, for a project involving 21 wind turbines, 3 borrow pits, 1 permanent 100m met mast, 2 construction compounds, and 1 110kV substation with a 110MW grid connection, with turbine heights up to 185 meters.

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2023

Provision of Geotechnical Services Framework

Geotechnical engineering services, including preliminary site assessment, tender stage site investigation, laboratory testing, hydrology assessment, peat stability risk assessment, mitigation measures, geotechnical gap analysis, ground investigation design, procurement, and pre-construction management (topological survey, EIA, drainage installation, geo-hazard assessment), and construction methodology.

FuturEnergy Ireland



Upstream Services and Feasibility Studies

Egis provides comprehensive UpStream Feasibility Services to ensure the successful planning and implementation of renewable energy projects. These services include:

- Pre-planning
- Site selection
- Grid route assessments
- Grid infrastructure assessments
- Constraints identification
- Sensitive receptor identification
- Project costing/estimation



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a sustainable future



ENERGY SERVICE TEAM LEADS



Deirdre O'Hara

BSc MSc HDip PM CEng MIEI PGeo EurGeol
Associate Director Geotechnics
+353 87 983 9964
deirdre.o-hara@egis-group.com



Niall O'Brien

BE (Hons) MSc DIC PGDip CEng MIEI RoGEP Specialist
Associate
+353 85 811 9612
niall.o-brien@egis-group.com

Egis has a team of over 200 engineers across four offices in Ireland. Our energy team includes project directors, structural, civil, geotechnical, drainage and environmental engineers, supported by our BIM technicians, 3D designers, quality and H&S team leads.

Egis in Ireland Office

4044 Kingswood Avenue
Citywest Business Campus
Dublin 24 D24 T6YE Ireland

www.egis-group.com

