



Egis in Ireland

IMAGINE
CREATE
ACHIEVE
a sustainable future

A vertical photograph on the left side of the slide shows a nighttime street scene. In the foreground, a tall, slender, metallic pole stands on a paved sidewalk. Behind it, a stone monument with a statue on top is visible. To the right, a tram is blurred, suggesting motion. The background shows city lights and other street poles.

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About Egis

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a sustainable future

Egis is an international player active in the consulting, construction engineering and mobility service sectors.

We design and operate intelligent infrastructure and buildings capable of responding to the climate emergency and helping to achieve more balanced, sustainable and resilient territorial development.

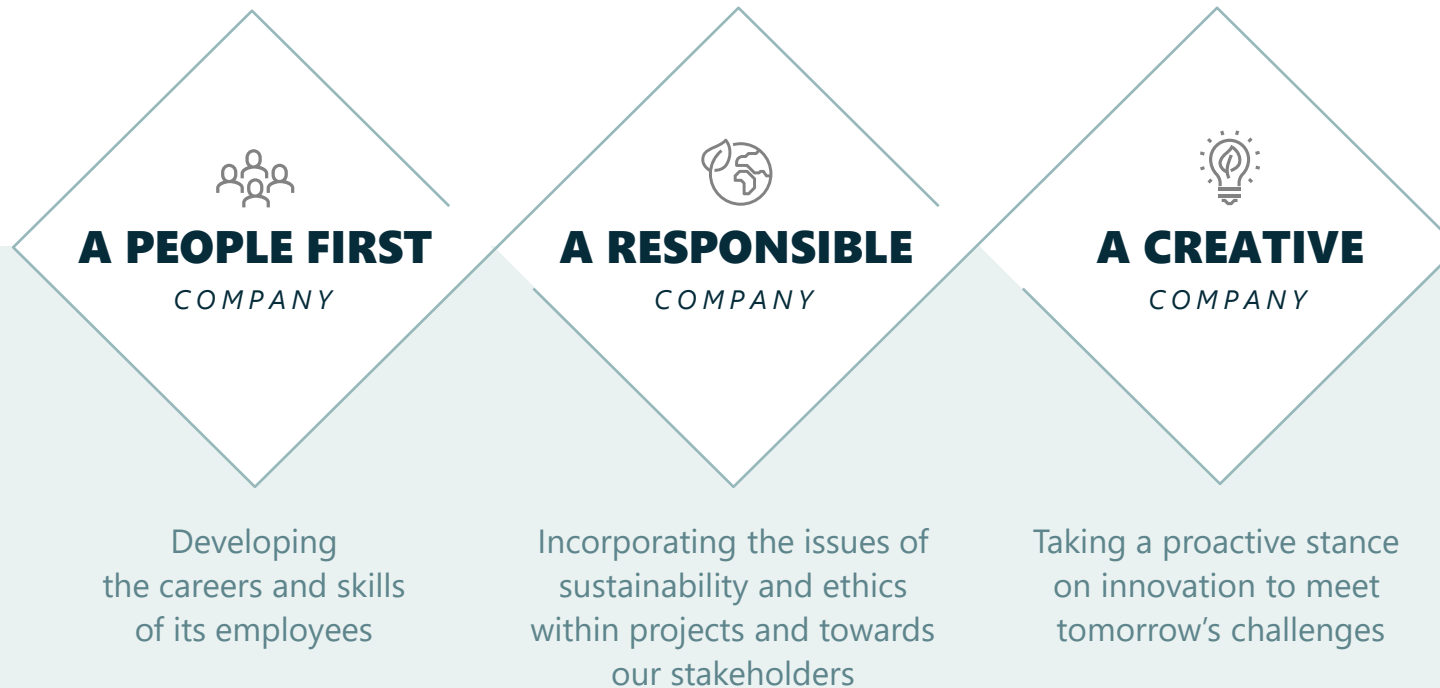
With operations in 120 countries, Egis places the expertise of its 18,000 employees at the disposal of its clients and develops cutting-edge innovation accessible to all projects. Through its wide-ranging fields of activity, Egis is a central player in the collective organisation of society and the living environment of citizens all over the world.

Our purpose

Improving people's quality of life and supporting communities

in their social and economic development, whilst drastically reducing carbon emissions and achieving vital 2050 net zero targets.

Our values



Our employees



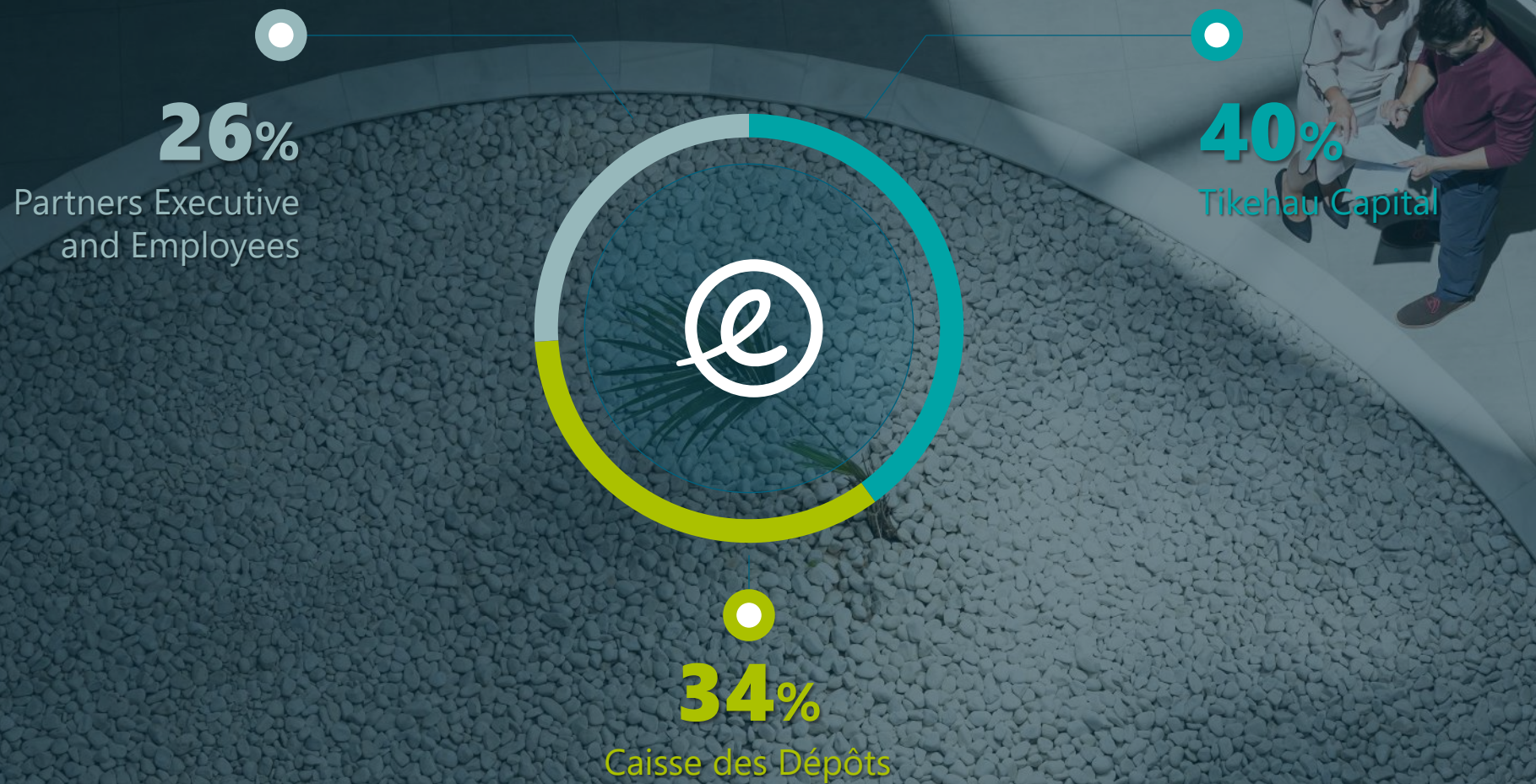
*Permanent and fixed-term staff in Engineering at the end of December 2024

**More than 5,200
recruitments in 2024***

EGIS CERTIFIED



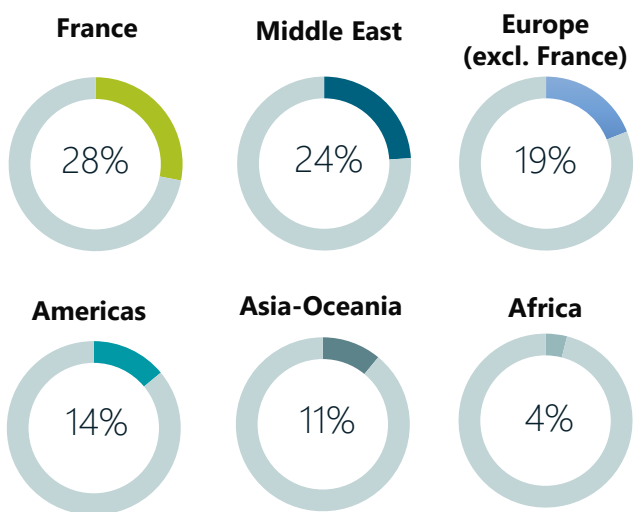
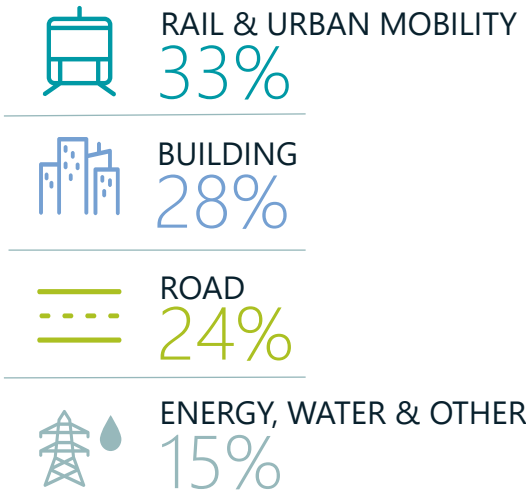
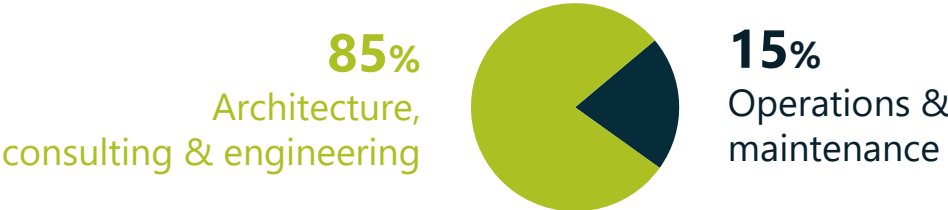
Our shareholder structure



Egis at a glance, our key figures for 2024

TURNOVER BREAKDOWN

€2.2 bn



29
ROAD OPERATING COMPANIES

20
AIRPORTS

21
URBAN PARKING CONTRACTS IN EUROPE

 **€282 m**
EBITDA

€77 m
NET PROFIT

ENR 16th
Engineering News Record
global ranking*

1st
FRENCH ENGINEERING COMPANY

7th
IN TRANSPORTATION MARKET

8th
IN BUILDING MARKET

*ENR TOP 150 ranking 2024
excluding domestic Chinese companies and engineering
groups specialising in the oil and gas sector

 **20,500**
EMPLOYEES
globally

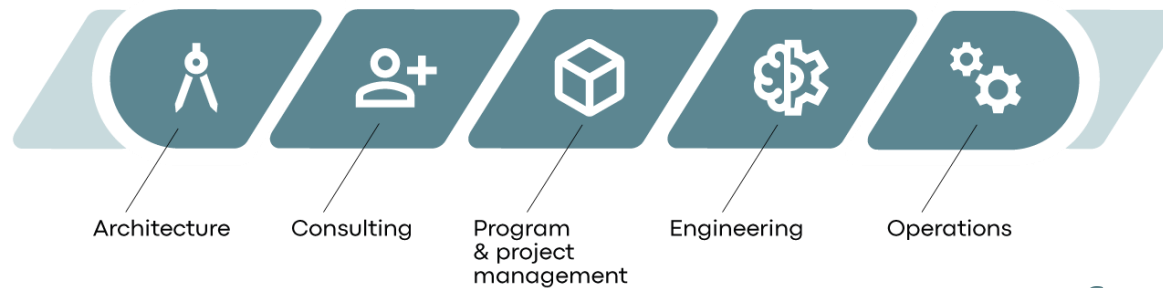
81% Architecture, consulting & engineering
19% Operations & maintenance



Our global offer



Throughout the project value chain



Our global offer in detail



Transport

Urban Mobility

- Metros
- Tramways
- Buses
- Cable transport
- Multimodal
- Transit Oriented Development
- Active travels, greenways and other soft modes
- Advanced air mobility

Rail

- Commuter rail
- Conventional rail
- High-speed lines
- Freight rail

Air

- Airports
- Air traffic management

Road

- Urban roads
- Inter-urban roads & networks
- Highways & motorways

Port

- (coastal and inland)*
- Recreational boating and fishing ports
- Commercial & passenger ports



City

Building

- Retail
- Hospitality
- Mixed-used
- Offices
- Housing
- Health
- Education
- Justice
- Sport & culture facilities
- Military facilities

Urban

- Greenfield land development
- Regeneration development

Industrial

- Life Science
- High Tech
- Industrial chemistry
- Food & beverage
- Manufacturing
- Logistics
- Mining & Metals
- Other



Sustainable resources

Energy

- Nuclear
- Electricity Transmission & Distribution
- Urban energy
- Waste to energy
- Geothermal power
- Hydropower
- Hydrogen
- Solar
- Wind
- Natural gas
- Other non-renewable energies

Water & Natural resources

- Urban water
- River & waterway
- Sea & Coastal
- Soil & farming
- Forests & natural parcs



A sustainable future.



Committed to ecological and energy transition

Turnover **Contribution**

40% of our activity



Our **ESG** maturity

TOP 20 international companies assessed in the
"Construction and Engineering" category

**Global Ranking based on the Corporate Sustainability Assessment (CSA) score provided by S&P Global (April 2023)*

Climate emergency, our absolute priority



OUR 5 GOALS

to take concrete action for the environment on a daily basis

- Reduce our greenhouse gas emissions
- Reduce emissions from our clients' projects
- Strengthen carbon sequestration
- Evolving our business portfolio in line with the Paris Agreement
- Strengthen the resilience of territories and infrastructures



OUR COMMITMENTS IN VIDEO



Climate emergency, our priority



- **A wide range of engineering services and operational solutions**

to fight against climate change and biodiversity erosion

- **The use of low-carbon alternatives for our projects**

with competitive timescales and costs over traditional approaches

Our commitments for climate/biodiversity



Egis activities: we are engaged in the **Net Zero Initiative** and **SBTi***



Reduce our own GHG emissions**



Develop our business portfolio in line with the Paris Agreement



Make eco-design the norm to reach 100% by 2030



Promote innovation and R&D for resilience and carbon sequestration



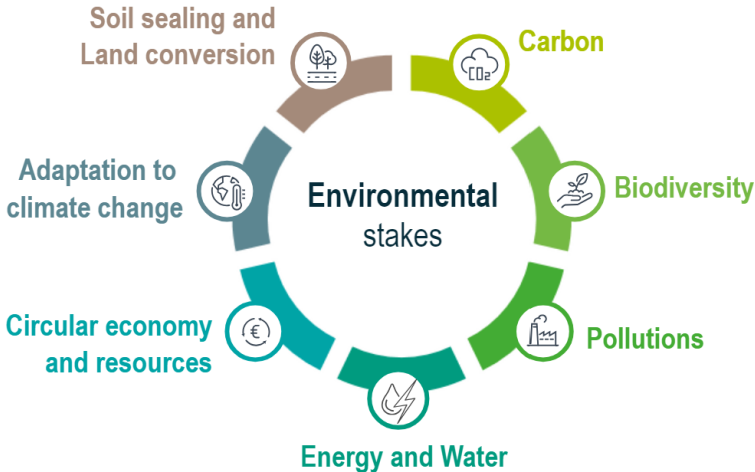
Clients activities and projects

- Offer **concrete and customized solutions** , to reduce the impact on the environment for each phase: design, build and operate



Egis approach

Deploying **eco-design** through specific methods and tool and training.



- **2025:**
75% eco-designed projects
- **2030:**
100% eco-designed projects

* Science Based Targets Initiative
** Greenhouse Gases

Climate: strengthening our exclusion policy

We are strengthening our exclusion policy to ensure that our projects are consistent with our commitments to the ecological and energy transition.

Exclusion of projects and infrastructures involving:

- coal mining,
- new oil fields
- any unconventional fossil fuels (shale gas, oil shale, etc.).

**NET
ZERO**

Reinforced exclusions in line with the Paris Agreements :

- Fossil fuel projects generating more than 1GtCO₂e over their lifetime (projects in breach of the global carbon budget).
- Refusal to take part in projects with unmanaged impacts on biodiversity in application of the Avoid - Reduce - Compensate (ERC) principle.
- Compliance with international best practice standards, such as IFC performance standards



+820

specialist environmental
staff

Biodiversity, adapting to climate change, decarbonisation,
managing industrial risks, air quality...

our extensive scope of expertise enables us to meet all of the
operational and environmental challenges of our projects.

A wide range of solutions to benefit the environment

innovation as a driver for action



Soil.is will guide you on your NetZero
journey by designing, implementing and
monitoring Nature-based Solutions
dedicated to the natural sequestration of
carbon in your sites' soils.



A packaged solution for integrating
biodiversity into your building and
renovation projects

Optimised low-carbon projects

An in-house network of success carbon managers called upon to provide the most appropriate responses to the decarbonization issues of the projects we deliver, in all our business lines.



The Group's technical departments are particularly focused on new low-carbon technologies: eco-designed materials, positive energy building envelopes, construction waste recycling, etc. and on natural sequestration solutions such as the reconstitution of natural environments (forests, mangroves) and the revaluation of the sequestration potential in the soil.



**Digital transformation at
the service of excellence.**

Digital investment



€25M

investment in digital

BETWEEN 2023 AND 2025

#06 **Generative AI**

Value-added solutions for use cases adapted to documents, mock-ups and asset management.

#01 **A specialised digital engineering department (DEB)**

To steer the Group's digital transformation with applications for our own and our clients' and partners' businesses

#05 **Digital Factory**

We have a large in-house team of digital architects, developers, data engineers and AI specialists, who oversee and provide digital developments throughout the Group.

#02 **A collaborative digital ecosystem**

Partnerships with digital trade associations, academics, software publishers, start-ups and customers **to promote open innovation.**

#04 **Data Factory**

A secure data management platform to ensure the compliant and efficient use of internal and external data.

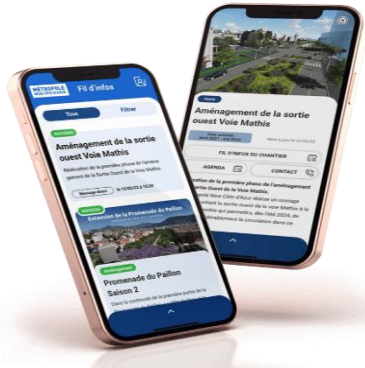
#03 **Digital training and awareness**

By 2025, 75% of our 19,500 employees will have received digital training.



Examples of digital partnerships within Egis

Egis shareholdings



Ubiplace

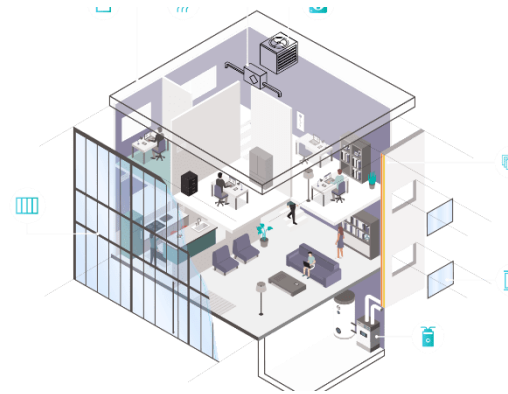
Ubiplace offers solutions for collecting, structuring and **managing data** to support future transitions.



Catenda

Catenda supports construction and infrastructure projects and enables customers to create their own BIM solutions.

Egis acquisitions



Openergy by Egis

Openergy by Egis combines IT technologies with a "physical" approach to create a dynamic simulation of building energy, accessible via simplified and collaborative interfaces.



SustainEcho by Egis

SustainEcho uses AI to automate the carbon footprint of works directly from your raw bills of materials.

A unique range of highly innovative projects



Cycle up

CYCLE UP is an Egis spin-off that develops tools and services for the building and construction industry to drive reuse and created a **circular economy**.

Its marketplace **matches supply with demand** for reused materials.



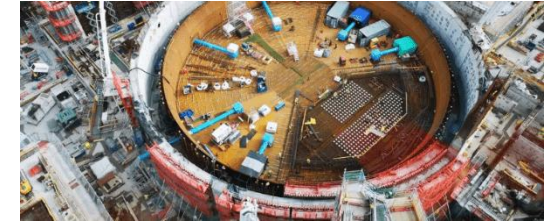
Iris

IRIS is Egis proprietary generative AI platform designed to meet the Group's business needs. Among other functions IRIS can summarise and question **documents** to solve numerous use cases : querying a document, summarising a document, and comparing a set of documents.



Vigie Risk

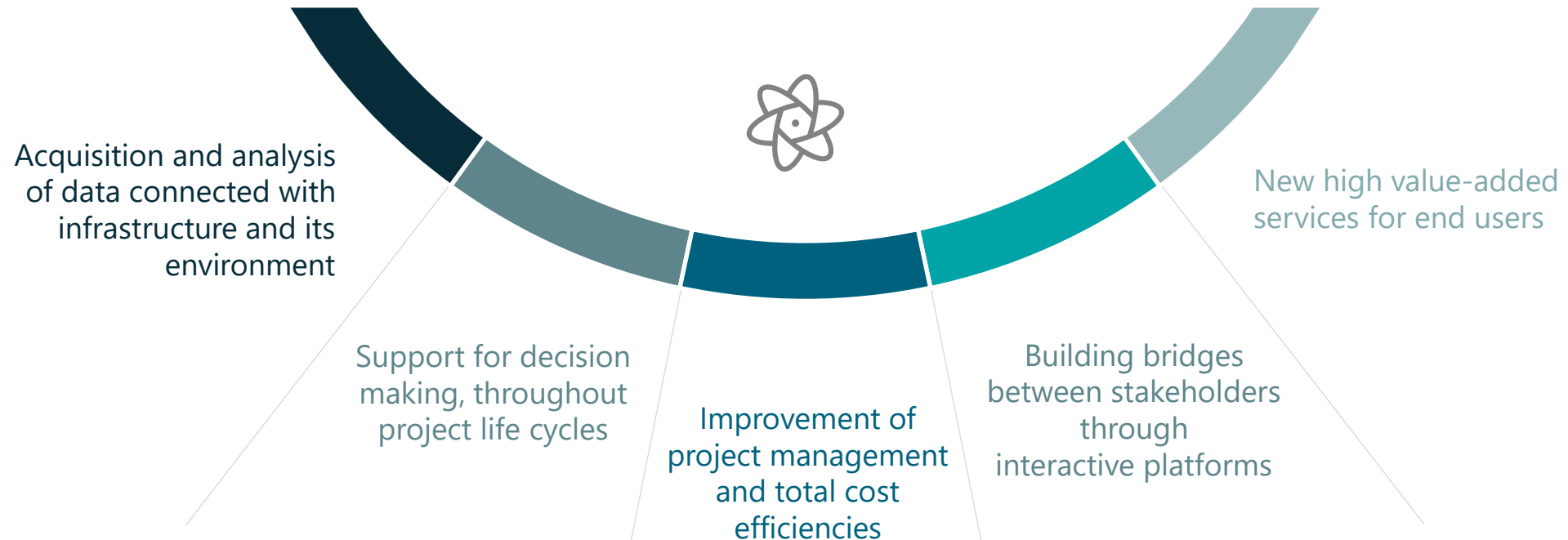
Vigie Risk has been developed by Egis in the form of a **real-time flood risk hypervisor** designed to strengthen the resilience of regions and infrastructures. This solution, helps inform and prioritise **crisis management responses** to ensure the safety of people and property.

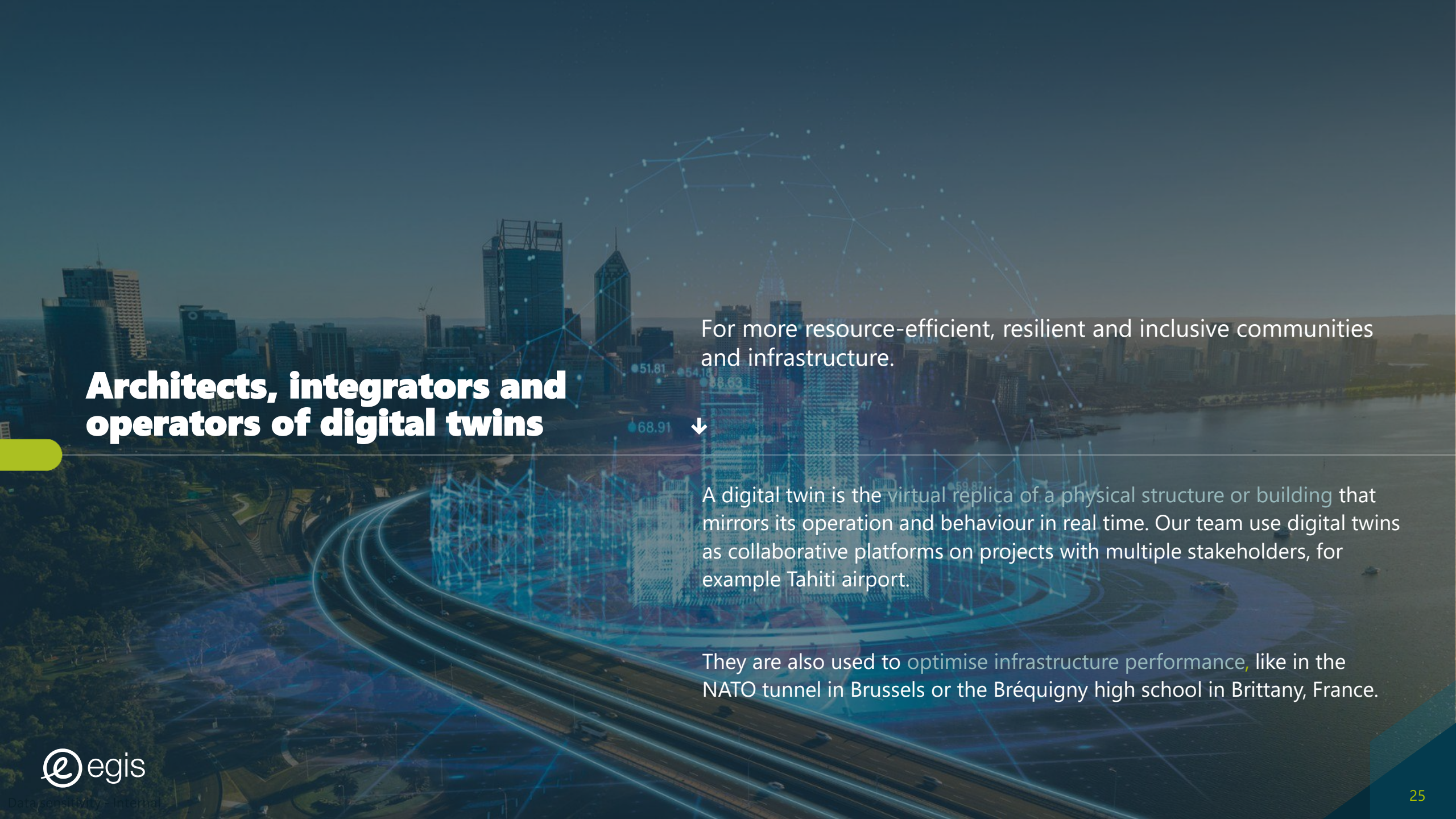


Hinkley Point EPR

The project includes **innovative methods** (such as a simplified and accelerated connection between design models and calculation solvers) to reduce the construction time of complex reinforced concrete structures thanks to new BIM processes for 3D modelling of reinforcement.

Our clients' needs at the heart of our digital strategy



An aerial photograph of a city skyline at dusk or dawn, with a digital twin overlay. The overlay consists of a network of blue lines and dots representing data connections, and a translucent blue grid structure that mirrors the physical infrastructure below. The text is overlaid on the left side of the image.

Architects, integrators and operators of digital twins

For more resource-efficient, resilient and inclusive communities and infrastructure.



A digital twin is the virtual replica of a physical structure or building that mirrors its operation and behaviour in real time. Our team use digital twins as collaborative platforms on projects with multiple stakeholders, for example Tahiti airport.

They are also used to optimise infrastructure performance, like in the NATO tunnel in Brussels or the Bréquigny high school in Brittany, France.



Egis in Ireland at a glance

Egis in Ireland key figures

Turnover breakdown 2024

32%

Consulting & engineering



68%

Operation & mobility services



630+
EMPLOYEES

16
SITES & OFFICES

7
ENTITIES

A culture based on fostering collaboration through connection



CPD career development
Cross company collaborative events
Graduate Intern mentoring programme
Active social committee on each site
Calendar events
Sports & Fun events
Cross Company New Starter
Onboarding Days

Standards and Awards

2023/4 Award wins

- 01.** FIDIC 2023 & 2024 Award of Merit
- 02.** ACEI 2023: Civil & M&E Med Project Awards
- 03.** Sustainable city construction
- 04.** Excellence in Public Sector Service
Support 2023
- 05.** Irish Concrete Society 40th Annual awards
2023: Infrastructure - N22 Sullane and
Laney River Bridges.

ISO accreditations in

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

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

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INDUSTRY AWARDS
IN TWO YEARS

ISO BIM

FIRST IN MARKET



Egis in Ireland Services and flagship projects

Egis present throughout the value chain

We operate across the entire value chain from consulting, engineering, to operation and mobility services – and across every aspect of the built environment, transport and energy.

This equips us with an unmatched depth of understanding of infrastructure, and how to create effective, sustainable and resilient systems.



Services spanning engineering and operations



CONSULTANCY



DESIGN



**OPERATIONS &
MAINTENANCE**



ENGINEERING

**ASSET
OPERATIONS**

MOBILITY

TRANSPORTATION

**WATER
& ENERGY**

**BUILDINGS
GENERAL ENGINEERING**

600 

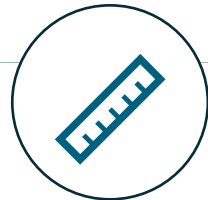
16 sites 

Asset operations, maintenance & mobility services

Egis operates complex transport infrastructure **securing the future value of an** asset for its investors and **ensuring continued efficient delivery for its users** – the communities we serve. We also design and operate intelligent mobility services to **provide safer, frictionless travel for road users and communities.**



ASSET MANAGEMENT



OPERATIONS
& MAINTENANCE



MOBILITY SERVICES

Key projects – Road, Tunnel Operations and Mobility



Tunnel operations and maintenance

Egis has operated Dublin Tunnel, Ireland's largest single piece of infrastructure since it opened in 2006, providing asset management, operations and maintenance service, as well as toll operations. We also operate and maintain Jack Lynch and Limerick Tunnels.



Motorway operations & National Road Safety Camera network

Egis operates 470km motorways throughout Ireland.

Since 2011 GoSafe has enforced 1,373 safety zones, completing 2.5M vehicle checks each month across Ireland and helping to decrease road deaths and accidents.



National Motorway Traffic Control Centre

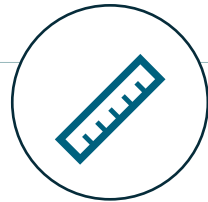
Egis operates Ireland's MTCC Monitoring and managing over 65 million vehicle journeys per annum. We use Intelligent Transportation Systems (ITS) technology and equipment, and operate the motorway emergency telephone network for safer smoother journeys

Intercity & urban transportation and structures

We have been active in transportation for decades, as engineers behind some of **Ireland's major roads, motorways, bridges and urban transport** lines. Today we are active in **rail, urban transportation including bus and active travel, transportation structures and greenways as well as traffic assessments and road safety planning**. Our services extend from upstream feasibility studies, to preliminary design, route planning & statutory planning, procurement, construction supervision to project commissioning & certification.



CONCEPT



DESIGN



DELIVERY

Key projects in Transportation



Luas Finglas Extension

Egis has completed preliminary design on the 4km / 4 stop extension to the Luas. Sustainable by design the project includes tree replanting, nature-based drainage, grass track design, and a biodiversity net gain. It will eliminate 440k car trips within opening year, and remove ~300t Co2 emissions per annum.



Cork Area Commuter Rail

Egis produced SET design for Cork's Commute Rail upgrade and has now been appointed NEC4 Project and Contract Management consultant for this €100m D&B SET project providing 62km of new SET systems and increasing frequency from 30 minute to 10 minute frequency transforming commuting experience in Cork.



Dun Laoghaire Living Streets

This Irish flagship active travel and placemaking project creates new people-centred public spaces to improve the quality of life for those who live in, work in or visit Dún Laoghaire. This project recently attained approval from DLR Co.Co. to proceed with necessary traffic recirculation measures to proceed.

Key projects in Structures



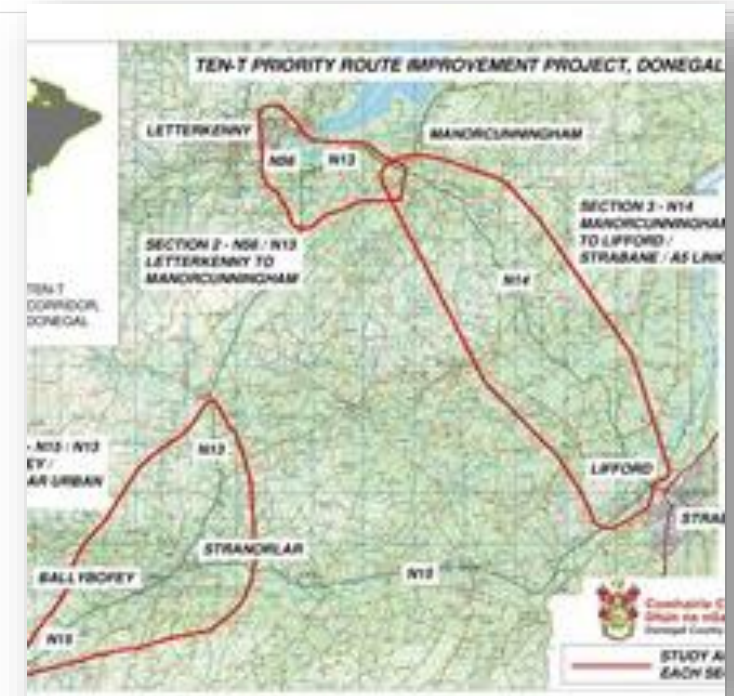
N22 Baile Bhuirne to Macroom Bypass

Egis were lead designer and supervisor for contractors on this 22km Dual Carriageway which includes four major junctions and four bridges. Open in November 2023, the N22 has been demonstrated to have delivered major reductions in congestion in towns bypassed including -40% reduction in passing traffic in Macroom leading to a halving in No2 emissions for that town. It has reduced journey times by 17% and boosted local economic development.



N/M20 Cork to Limerick Road scheme

Egis has been appointed as part of JV with WSP for feasibility, design and environmental evaluation through statutory planning process for this stretch connecting Ireland's second and third cities. Innovation in design transform this route into a multi-modal transport corridor including six transport hubs designed to promote drive sharing and modal shift. Design includes active travel along its 80km route.



Ten-T Priority Route Improvement Donegal

Recently approved by the Cabinet, this project forms part of the trans-European network of multi modal corridors, and includes 60km of segregated walking and cycle routes, eight 'modal shift hubs' along its route. Egis, with its partners is responsible for feasibility, option selection, design, EIA and statutory processes.

Energy

Our energy business line spans solar, onshore and offshore wind sectors, with services spanning upstream feasibility and systems planning, geotechnical design, environmental assessment, management of planning process, through to site access, alignment, drainage and hard standings design, and construction supervision.

**TENDER
DOCUMENTATION
TENDER
ASSESSMENT
GEOTECHNICAL**

**ENERGY ASSSSMENTS
FOR EXISTING SITES**

**EMPLOYERS'
REPRESENTATIVE**

**FEASIBILITY
& SITE
ASSESSMENTS
SOLAR ARRAY DESIGN**

**OWNER'S ENGINEER
CIVIL ENGINEERING & DRAINAGE
HARDSTANDINGS/
ALIGNMENT
DESIGN**

**HEALTH, SAFETY
&
ENVIRONMENTAL**

**CONSTRUCTION &
CONTRACT
MANAGEMENT
M & E DESIGN (SOLAR)**

Flagship Energy projects



Knockranny Wind Farm, Galway

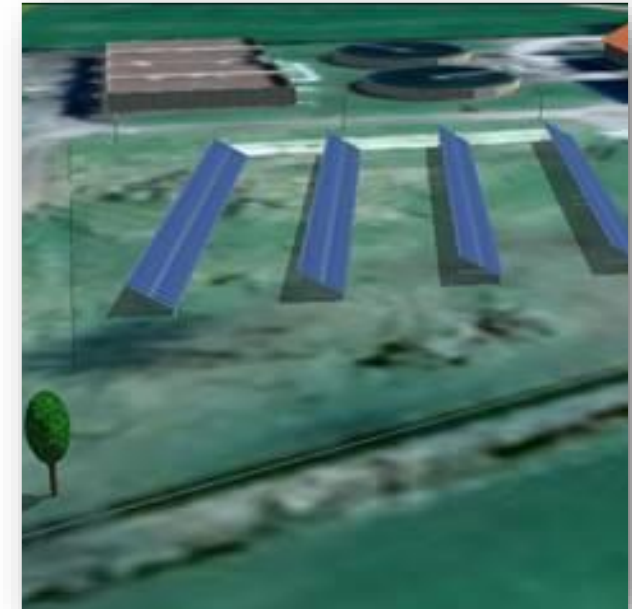
Planning services

Environmental Impact Assessment Report comprising chapters on Soils and Geology, Hydrology and Hydrogeology, Traffic and Transportation, and a Peat Stability Risk Assessment. Additional peat probing and shear vane analysis, and a Peat



Energy Management Services Uisce Eireann

Egis supported the client in optimizing energy use in treatment plants and pumping stations. From an original contract to audit 50 sites, the current contract has seen us complete over 150 audits applying energy upgrades to 40 sites, achieving significant savings in energy consumption and costs.



Uisce Eireann PV solar assessments

Feasibility studies and assessments for solar energy installations for 60 sites, for client, including development of 3Dmodels, environmental screening and flood risk assessments. Supervision of planning applications and procurement. 18 sites now have planning.

Water & WasteWater Management

Our specialism in water and wastewater extends back several decades through our engineering division (formerly JB Barry & Partners) and overseas from Ireland to UK, Eastern Europe and Africa. Our services span **feasibility, design, planning and construction supervision**. We work with government, industry leaders and innovators to imagine and create sustainable infrastructure to enable population and economic growth.

Strategic advisory

Preliminary Design & planning, EIAR

Construction supervision & project management

Energy consultancy, including **renewable energy transition**

Project **Commissioning and handover**

Masterplanning Water & wastewater treatment planning

Sustainability and environmental services

Flood analysis and climate event resilience planning

Modelling BIM and GIS

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Flagship Water & WasteWater projects



Inlet Works, Storm and Sludge Programme

Egis working on a project to address 60 wastewater treatment plants serving towns and villages. 30 sites are at or nearing completion, bringing plants to standard, increasing capacity and building resilience to climate events. Employing a 'trickle down' approach where technologies developed for national plants is optimized for small installations, including sludge treatment technologies and biomass energy generation.



Ringsend Wastewater Treatment Plant Upgrade

Egis was appointed (as part of 3JV) to complete the design, engineering, procurement and project management for the upgrade of this plant, which processes 40% of Ireland's wastewater needs. The multi-layered upgrade brought the plant in line with standards and increased capacity to 2.4m PE.

Egis applied a new P Fix facility which removes phosphorus from sludge for reuse as an agricultural fertiliser.



Lee Road Water Treatment Plant Upgrade Cork

Upgrading and flood-proofing the plant, adjacent to the River Lee, providing 70% of the treated water to Cork City. This plant is located in a historic site, the oldest waterworks in Ireland dating back to the 1760s.

The upgrade preserved historically significant features, while delivering a major upgrade in an operational plant, in a scenic area of high landscape value.

Buildings

Our building team is active right across building engineering, including residential, office, industrial, healthcare and hotel design & delivery. Our emphasis is on innovative and cutting edge techniques, materials and processes to support the decarbonization of the built environment, and climate-responsible energy efficient buildings.

**Civil /structural
engineering**

Masterplanning & site
development

**Construction
management**, including
contract services

**Design and engineering
for MEP**, structure, fire
safety, acoustics

Project management

Planning & tender
management

**Sustainability and
environmental** services

Renovations &
refurbishment existing
structures

**Project Supervisor
Design Process**

**IMAGINE
CREATE
ACHIEVE**

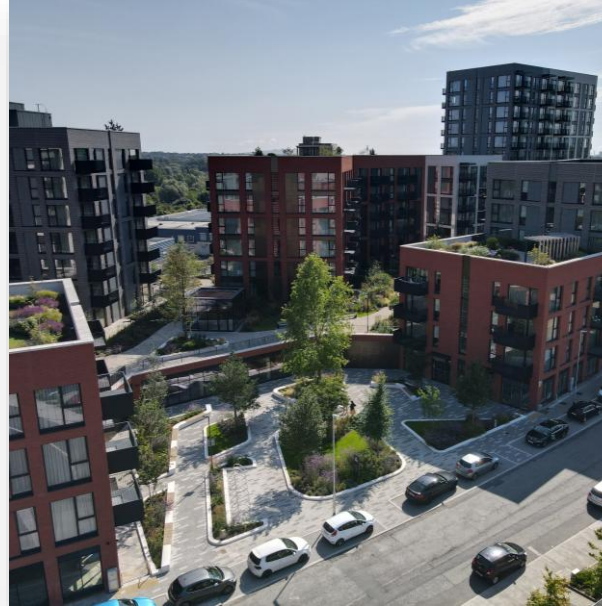
a sustainable future

Key projects – City



Mater Private Hospital Dublin

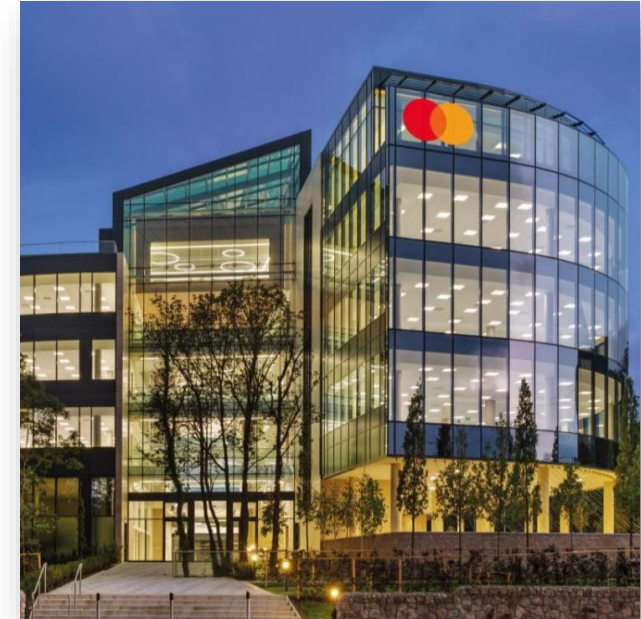
Egis completed Civil and Structural design of the original hospital in 1989, and several major extensions to it since then including: six-storey west wing extension, including radiotherapy bunker, developments in 2012 and 2015 to provide new operating theatres, cath labs, wards, suites and office space including 3 storeys accommodation over 1992 extension. This latest project to add a further story over the Eccles street Wing has received planning permission.



8th Lock Royal Canal Park Dublin

Egis designed mixed-use development comprising 435 apartments and commercial space, public plazas, healthcare centre, with parking, roads, landscaping.

The first large development to make use of a pioneering low carbon concrete product, Carbon Cure which will save hundreds of tonnes of embodied carbon during construction.



One, Two and Three South County

South County comprises three campus-style HQ Office style buildings on 5 acres of landscaped ground. Now home to Mastercard HQ Egis provided civil / structural engineering and certifier services for One and Two South County from initial concept through design, tender and construction.

JB Barry becomes Egis in 2024

We are one team now offering an end-to-end services – from idea to design to operation

Operating across the entire value chain of consulting, design and operation, Egis is the only group to understand infrastructure in its entirety.

This is the best way to develop **smart, sustainable and efficient** infrastructure.



The same engineering teams under same leadership, now backed with the vision and strength of Egis.

Access to technologies and talent of the global group whose values drive significant investment in people, creativity and technological innovation.



Egis

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