



Excellence in Delivery





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ROADS

GAS
PIPELINES

MARINE WORKS

ENERGY

WATER/WASTE
MANAGEMENT

LEISURE
AMENITY

MOTORWAY
MAINTENANCE

INDUSTRIAL
COMMERCIAL

RENEWABLE

Who we are and what we do

Roadbridge are a global civil engineering contractor, founded in 1967, specialising in the international delivery of complete infrastructure projects from £1m - £300m, across all sectors; for a broad range of clients and contract conditions.

Roadbridge is a stable, private, family-owned company who have built our reputation upon working collaboratively with our clients; offering them a quality service and product with genuine added value.

Roadbridge is a *fully-resourced contractor*. We have the experience, capability and a proven track record in delivering major projects safely, on time and within budget.

We also own one of the largest in-house plant fleets in Europe, giving unparalleled control over project delivery.







What makes us different

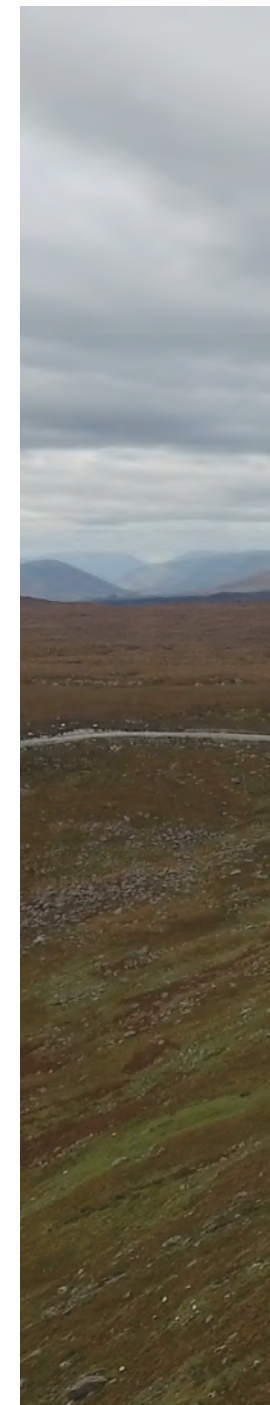
We are founded upon the strength and experience of our people; our leaders, managers and highly experienced and trained direct labour force. We have an exceptional record for staff retention.

Our core ethos is not just to meet client's expectations, but to exceed them. We have never been late in completing a project and our track record of repeat business is testament to this.

Our culture of:

- Customer-focussed collaborative working
- Non-adversarial/no claims approach
- Delivering genuine 'right first time' workmanship
- QHSE excellence
- Sustainable approach
- Innovation and value engineering
- In-house resources and supply chain partnerships
- Makes us a partner who clients actively seek repeat business with.

Project:	Galway Wind Park
Value:	€41.7 Million
Output (MW):	169MW
Nr of Turbines:	58
Access Track	
New (km):	35km
Access Track - Upgrade (km):	15km
Bulk Earthworks	460,000m ³
HV Cabling and Earthing:	530km
Reinforced Concrete:	35,000m ³
Steel:	4,350t
Extensive / Specialist	
Peat Works:	480,000m ³
Sub - Station Platform:	2
Met Masts:	4
Client:	SSE / Coillte
Start Date:	December 2104
End Date:	April 2017





“We have had a working relationship with Roadbridge for over ten years. We have found Roadbridge to deliver excellent work invariably within project programme. They have a very professional approach to safeguarding health, safety and the environment and have received a number of industry awards in this regard.”

Eoghan Lynch
Managing Director

ARUP

Financials

dun & bradstreet

STANDARD
& POOR'S

With a ten year average turnover of €215m and a Balance Sheet in excess of €85m, Roadbridge enjoys the financial strength to be a leader in the heavy civil engineering sector. As a result of this we enjoy the support of all the major financial and bonding institutions. Roadbridge is a Standard & Poors rated company and enjoys a 5A Dun & Bradstreet credit rating. Being resourced to this level allows us to execute all contracts on a self-performing basis.



Project: M17 / N18 Gort to Tuam Motorway

Value: €257 Million

Client: Transport Infrastructure Ireland (TII)

Contract Type: Public Private Partnership (PPP)

- Excavation and construction of 57km of Motorway;
- 5 Grade Separated Junctions and 18 At-Grade Junctions;
- 29 New Overbridges; 22 New Underbridges and Underpasses;
- 5 Major River Crossings; 3 Railway Crossings and installation of flood relief culverts;
- 4.25 million m³ of earthworks excavation, including 2 million m³ of rock excavation





“Simply said,
Roadbridge delivers.
Roadbridge is completely
aligned with Shell’s values
regarding pro-active
safety leadership and
environmental protection,
resulting in outstanding
performance that leads
the construction industry
in Ireland.”

Michael Crothers, MD
Shell Ireland





Gas Pipelines

Energy Infrastructure

Roadbridge has successfully delivered many Energy Infrastructure projects as Principal/Main Contractor, including the Corrib Gas Terminal and the Glengad Landfall Civil Enabling works for Shell E&P, and for Total E&P UK Ltd at the Laggan Tormore Gas Processing Plant at Sullom Voe, Shetland Islands.

Gas Pipelines

Roadbridge have recently been awarded the South West Scotland Onshore System (SWSOS) gasline project. SWSOS is the final onshore gas supply section in the UK before

the subsea interconnectors to the Republic and Northern Ireland. The system provides over 90% of the gas demand to the ROI. It involves the laying of 50km of 914mm OD welded steel pipeline.

Working for Bord Gais and Shell E&P, our Roadbridge/Sicim JV has successfully completed contracts comprising over 540km in length of large diameter gas pipelines. All projects were completed ahead of the Client's programme. Recently, the Gas to Wexford Town, Lot 1 Feedermain, comprising 40km of 400m Ø welded pipe, was completed in March 2016 on behalf of Gas Networks Ireland.



Project: Gas Pipeline to Great Island Power Station, Co. Wexford

Value: € 19.8 Million

Contract: IEI Civil Engineering Construction
3rd Edition with
BGE Amendments

Client: Bord Gais Networks

Project Description:

This contract comprises the following:

- Construction of 46km of 406.4mm OD Steel Gas Pipeline
- 1075m Horizontal Directional Drill Crossing of the River Barrow
- Construction of 3 new Above Ground Installations (AGI's).
- 9 No. Trenchless Crossings including 2 railways, 4 rivers & 3 roads.
- 34 No. road crossings
- Traffic management at road junctions
- Collaborate with all Local Authorities, Services Providers, and Landowners

“Roadbridge has completed almost 1.5 billion Euros of motorway and structures for the National Roads Authority.

Roadbridge are a pleasure to deal with and always adopt a partnership approach.

Their technical competence is of the highest standard and their enthusiasm for getting things done is a key factor in the success of their projects.”

Peter Malone,
Former Chairman,
Transport Infrastructure of Ireland



ROADS

Roads



Transport Infrastructure

Highway Projects – Ireland

Over the last 15 years Roadbridge has completed in excess of 465km of Inter Urban Motorway (incl. Joint Venture Projects) to budget and on time using various contract models including Design & Build, Early Contractor Involvement and Design-Build-Finance and Operate.

At Roadbridge projects are self-performed by our skilled technical and management personnel. This ensures projects are delivered to the highest standards.

The following includes examples of our experience in quality/price and public private contracts:

Early Contractor Involvement (ECI) and Design-Build:

M17 / N18 Gort to Tuam PPP Scheme - 57km of Motorway which began in April 2014, and opening date of November 2017;

The N7 Limerick Immersed Tube Tunnel and Road project was completed in July 2010, three months ahead of programme.

The 17.5km M8 Rathcormac to Fermoy Motorway was completed in November 2006, eight months ahead of programme.



International Projects

Highway Projects in Wales

The A477 St. Clear's to Red Roses ECI, 10km Highway project in Wales, was awarded in September 2009 and construction work began in February 2012 and was opened in April 2014 – 2 months ahead of time;

Highway Projects in Scotland

The M9 Junction 1A Upgrade in Edinburgh, which forms part of the Forth Replacement Crossing. Construction work began in September 2011 and was completed in February 2013 – 6 weeks ahead of time.

Design Build Finance and Operate Concession Contracts:

Highway Projects in Poland

40km of Motorway on the A1 route from Kowal to Sojki in Poland was awarded by the GDDKIA Road Authority in June 2010, and completed in September 2012.

Highway Projects in the Middle East

The 20km highway project at Madinat Al Haq, Oman was awarded in April 2010.





“Roadbridge have a very professional approach to safeguarding health, safety and the environment and have received a number of industry standards in this regard.

We have no hesitation in recommending Roadbridge for work of a similar nature.”

Barry O’ Donnell,
Project Manager,
SSE Renewables





Renewables



Renewable Energy

Our expertise in the construction of more than 150km of forestry and mountain roads, in peat and rock environments, through Special Areas of Conservation (SAC's), etc., has made Roadbridge a leader in the delivery of large onshore wind energy projects.

Recent renewable energy projects include Tievenameenta Windfarm in Co. Tyrone which was completed in 2016 and consisted of 15 no. turbines and 11km of access roads; Glencarbry Windfarm in Co. Tipperary which began in November 2015 and consisted of 12 no. turbines and 3.5km of access roads. We are also on site at Galway Windpark since December 2014, this is a Design & Build of 58 no. turbines and includes 35km of access roads.

Substations

Roadbridge have also completed the following Substation Earthworks Contracts for Scottish Power Energy Networks and Iberdrola in Scotland during 2015 and 2016:

- Glenglass Substation, a 2,000m² platform, involving bulk earthworks of 50,000m³ and management of 200,000m³ of peat;
- Blackhill Substation which is a 4,000m² platform, involving bulk earthworks of 100,000m³ and management of 150,000m³ of peat;
- New Cumnock Substation, which is a 4,000m² platform, involving bulk earthworks of 55,000m³ and management of 230,000m³ of peat.







Project:	Laggan Tormore Gas Terminal, Shetland Islands
Value:	£83 Million
Contract:	Total Form of Agreement Total E&P UK Limited
Client:	Total E&P
Start Date:	March 2010
End Date:	July 2012

Key Features

- Handling and storing of peat in purpose built reservoirs, requiring some 455,000m³ of peat to be moved;
- Terracing the slopes to form 260,000m² of work platforms;
- Forming the terraces by cut and fill with imported fill as required. This involves the excavation of 512,000m³ of rock; Installation of a Sewerage Treatment Plant, together with surface run-off drainage systems
- Construction of 2.4km long access road





Motorway Maintenance



Roadbridge, operating as part of the Colas-Roadbridge JV, were awarded the Motorway Maintenance and Renewals Contract Network B by Transport Infrastructure Ireland (TII) in March 2013.

The project involves the undertaking of the following services for the NRA on a network of 279km of motorway / dual carriageway and approx. 100km of slip roads.

- Evaluation of data provided by the client
- Supplementary inventory gathering where not available
- Safety Inspections, safety patrols and daily inspections of the network.

- Routine and Cyclic maintenance of defined assets, including repairs of Category 1 & 2 Defects.
- Incident Response Service
- Winter Service
- Repairs to road vehicle restraint systems
- Renewal of line markings and reflectors
- Renewal of pavement surfacing
- Management of the Authority's Strategic Salt Reserves
- Provide, manage, maintain, support and operate a Routine Maintenance Management System.

Additional works carried out under this contract include:

- The N18 Bunratty Pavement Rehabilitation Scheme, which involved the reconstruction of a section of Dual-Carriageway between Limerick and Shannon and the associated live traffic management (32,500 AADT) to maintain this vital link.
- The M6 Motorway Service Area – Advance Works Contract, which involved the construction of a new grade separated junction and three-span overbridge, crossing the M6 Motorway. This work was carried out to facilitate the construction of a new service station and is located 9km to the east of Athlone town between Junctions 7 & 8 of the M6.





MARINE WORKS

Marine Works



Roadbridge are currently working as part of a Joint Venture with L&M Keating at Dublin Port. This Project is the Alexandra Basin Redevelopment and is a €110m framework project. Work began on this site in August 2016 and is scheduled to run into 2019.

The current phase of construction is the Cross Berth Quay project which consists of installation of 165m of new Quay wall for Dublin Port.

The new quay wall is a combi style quay wall which consists of 62 no. 1420mm diameter tubular steel piles 30m in length and 22m long AZ 18 sheet piles. The main tubular piles are tied back using a network of 95mm steel ties and 750mm concrete piles.

The new quay wall will also have 2 no. backseats which will receive 2 no. link span bridges at a future date making the new quay wall suitable for roll on and roll off ferries.

Roadbridge have also gained Marine experience whilst working on projects such as the Tramore Sewerage Scheme and Limerick Main Drainage.

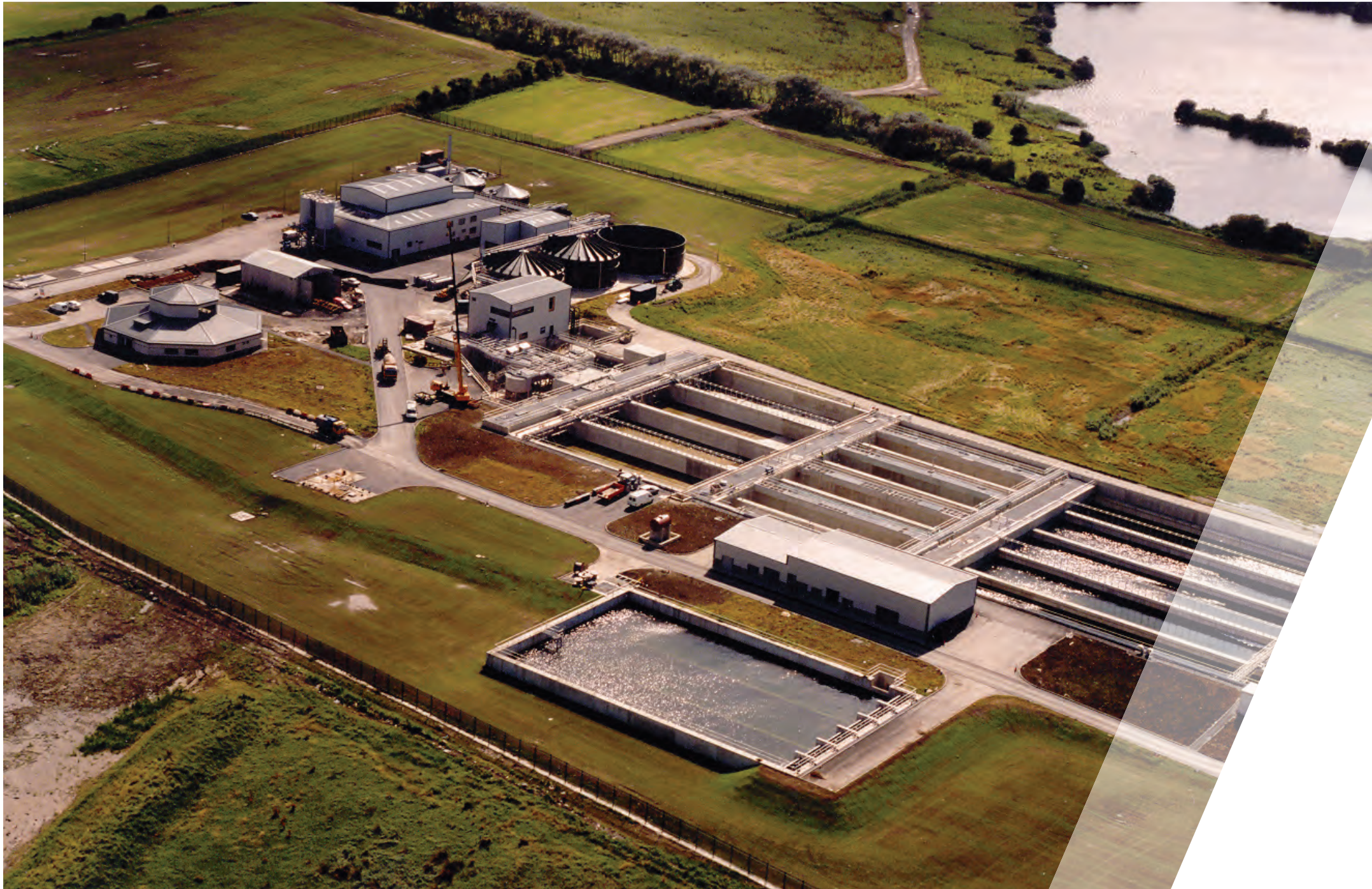
The main marine works for Tramore Sewerage Scheme consisted of the construction of a 2.02km 800mm diameter HDPE sea outfall pipeline.

As part of the Limerick Main Drainage works, Roadbridge were responsible for the construction of a 1.4km 1100mm diameter HDPE pipe outfall for the Limerick Sewerage Treatment Works. This work involved the construction of a 274m jetty extending

out into the main flow channel of the River Shannon, working in very soft alluvial silts in a 7.7m tidal range.

Other marine interfaces on past projects include the tie-ins of off-shore pipes in the Shetland Islands as part of the Laggan Tormore Gas Terminal and the Corrib Gas Landfall site at Glengad, Co. Mayo.

Roadbridge were also awarded the role of Project Supervisor Construction Stage for the Corrib Onshore Pipeline Site Investigation Works. This work consisted of the mobilisation of two Jack-Up Barges from Killybegs in Donegal to Sruwaddacon Bay in Mayo and at peak of investigation works, the marine operations involved up to nineteen vessels.





Water Waste Management

Wastewater Infrastructure

Roadbridge as part of Roadbridge-EPS JV have recently been awarded the Belmullet DBO Contract, which commenced in July 2016. It involves the construction of a new wastewater treatment plant (2,500 PE with tertiary treatment) and new marine sea outfall together with modifications and upgrading of the existing wastewater collection system including the construction of two new pumping stations and rising mains.

In recent years, Roadbridge has been the Main/Principal Contractor on several major wastewater schemes in Ireland, such as Limerick Main Drainage, Dungarvan Sewerage Scheme, Castlebar Main Drainage, Courtown Sewerage Scheme, Tramore Sewerage Scheme, North Cork Sewerage Scheme Upgrade, Schull Sewerage Scheme, Knocknacarragh Main Drainage, Westport



Main Drainage and Barna Sewerage Scheme. Most recently Roadbridge completed a Design & Build contract in the UK for Northumbrian Water; Chelmsford Effluent Pipeline was an 8.2km section of 1400DN pipeline completed on schedule in May 2015.

Water Infrastructure

Water schemes including both reservoirs' and all associated pipelines have been successfully completed in Ireland at Roscommon, Nenagh, Ballinrobe, Tuam and Claremorris.

Waste Management

Roadbridge has been responsible for all phases of the construction of Ireland's largest waste management facility at Arthurstown, Co. Kildare. This waste management facility has a gas collection system which is used to

Project:	Limerick Main Drainage Contracts
Value:	€103 million
Contract:	CECEA
Client:	Limerick County Council
Start/End:	May 1999 - June 2004

Project Description:

This contract comprises the following:

- Primary Settlement Tanks
- Aeration Tanks
- Secondary Settlement Tanks
- Storm Tanks
- Three Administration Buildings and Facilities
- At 1.1km 1100 Ø iron Ductile mm outfall jetty from treatment plant into Shannon Estuary
- Ancillary Works, site development and landscaping
- 40km of new pipework throughout Limerick

A large proportion of the site was built on alluvial silts, this resulted in the site being filled with 550,000m³ of Class 2 material, then surcharged and vertically drained with a 900mm triangular grid for 12 months.

generate electricity and supplied to the national grid. Roadbridge was awarded the construction of Bottlehill Waste Management facility in County Cork and have also carried out work at Killurin Landfill in Wexford and Ballyogan Recycling Centre in Co. Dublin. Most recently, we have carried out work at the Sajja Waste Management Facility for the Sharjah Municipality in the United Arab Emirates.

Tailings Ponds

Roadbridge have gained significant experience in the construction of tailings ponds at major mining operations, both in Ireland and abroad. These include the construction of a 5,800,000m³ capacity pond at Lisheen Mines, Co. Tipperary. In early 2012, Roadbridge were awarded the construction of a 47,500,000m³ Tailings Pond at the Goro Nickel Mine in New Caledonia, on behalf of Vale Inco. Work was completed on this project in November 2016.









Industrial / Commercial

Roadbridge has a long-standing record of performance and delivery in the Industrial/ Commercial sector. We have completed site development projects for such notable multinationals as Hewlett Packard, IDA, Abbott Ireland, Pfizer and Wyeth Medica. Our team has also played a major role in developments such as Irish Cement, Whitewater Shopping Centre in Newbridge Co. Kildare and Dundrum Town Centre in Dublin.

Some examples of Industrial / Commercial projects undertaken by Roadbridge include the following examples:

Wyeth Biotechnology Campus, Clondalkin, Dublin – Roadbridge were awarded the enabling package for this development, which consisted of construction of 9km of roads; car park for 1,000 vehicles, 60km

of ducting and 16km of drainage and water mains. Construction was completed in July 2004.

Facebook Data Centre, Clonee, Co. Meath - An earthworks & concrete packages pertaining to the construction of 2 data centre buildings containing 8 data halls over 50,800m². Site infrastructure to include internal roadways & footpaths. Construction period March 2016 to December 2017.

Langley Court, Beckenham, England – Infrastructure roads, drainage, utilities and landscaping works for quality exemplar residential development. Commenced in September 2015 and was completed in August 2016.

DAA Red Car Park Resurfacing, Dublin Airport – Between July and December 2015, Roadbridge successfully resurfaced 3km of

roads and 5,500 car park spaces in a live car park environment. The works included 131,000m² of paving, bulk excavation of 25,000m³ of material and installation of 61,000m² of impermeable liner.

Site development works include the Dundrum Shopping Centre in Dublin, Whitewater Shopping Centre in Newbridge, Kildare and the Powerscourt Hotel, in Wicklow.







Leisure / Amenity



Project:	Grangegorman Site Development
Value:	€27 Million
Contract:	Public Works Contract, designed by the Employer
Client:	Grangegorman Development Agency
Start/End:	May 2013 - December 2014

Our involvement in the construction of leisure amenities has included the construction of Golf Courses at Adare Manor in Co. Limerick; Fota Island in Co. Cork; Dun Laoghaire Golf Course in Dublin; and, Killeen Castle Golf Resort in Co. Meath. Roadbridge have also carried out work on the new Limerick Racecourse; the first stage contract of the Limerick Greyhound Stadium; the running track at the University of Limerick; Construction of Rugby and football pitches for Shannon RFC and Salthill Devon FC; and, the Lissard Skygarden in Skibbereen, Co. Cork.

Golf Courses

Our experiences in working in golf courses include the development of Adare Manor and Fota Island Golf Courses.

Completed in 2007, the New Dun Laoghaire Golf Course comprises 27 holes and covers an area of 130 hectares, while the Jack Nicklaus designed Killeen Castle Golf Resort in Dunshaughlin, Co. Meath consists of 18 holes spread over 242 hectares.

Sports Facilities

Roadbridge have been involved in the development of playing pitches for clubs such as Shannon Rugby Club, Old Wesley Rugby Club and Salthill Devon FC, as well as constructing new pitches as part of larger developments such as Grangegorman Site Development.

In Limerick alone we have worked on Limerick Racecourse, University of Limerick Running Track and Limerick Greyhound Stadium.

Public Amenities

We have been involved in the improvement of public amenities such as Rosslare Harbour and as part of the works on the Grangegorman Public Realm project in Dublin and the Langley Court Site Development, we have managed the construction of new public playgrounds. Other notable projects have included the Lissard Skygarden in Skibbereen, Co. Cork.

More recently we have completed a site development project at Grangegorman DIT campus in Dublin. This project was completed on schedule in October 2015 and are currently working on the Facebook Data Centre site in Clonee, Co. Meath.



ROADBRIDGE

CIVIL ENGINEERING & BUILDING CONTRACTORS



Corporate Social Responsibility

We believe that we have a responsibility to the local community and society in general. To this end, we have numerous schemes that are operated on an ongoing basis. We actively support local GAA and other sports and community clubs.

The company understands the impact that its presence can have in a region and to this end strives to minimise any negative effects that may arise. This includes environmental awareness, social impact, traffic management, employment opportunities and Health and Safety.

Our goal is to create value through our focus on efficiency and sustainability. We achieve this by applying best practice, employing a motivated workforce and adopting continuously updated technology. We believe that the sustainable approach

can only be achieved through integration of social, economical and environmental factors.

Considerate Constructors Scheme

In December 2015, Roadbridge were invited to become Associate Members of the Considerate Constructors Scheme, based on the consistently high scores achieved across our registered projects in Scotland, Wales and England.

The aim of the Considerate Constructors Scheme is to improve the image of the construction industry and fits in with the Roadbridge ethos of being a good neighbour and employer.







Business in the Community

We are also members of the Business in the Community Network for responsible business and are currently working towards gaining certification to the Business Working Responsibly Mark, an independently audited standard based on ISO 26000.

**BUSINESS
IN THE
COMMUNITY**



“Reward and recognition is a big part of how Roadbridge do business. Winning this award is fantastic recognition for their ongoing commitment to continuous improvement and creative solutions to the daily challenges of operating many diverse projects across Ireland, UK and Europe. What a brilliant result!”

Irene Collins
Managing Director of EIQA



Management Systems

Roadbridge has a fully certified Integrated Management System (IMS) which ensures we operate to the highest standards of Quality, Health and Safety and Environmental (QHSE) management. We have a history of self-delivery of the highest standards of QHSE.

This system is certified to ISO 9001, ISO 14001 and OHSAS 18001 by EQA (Ireland) Limited.

We are also the only Civil Engineering contractor that has accreditation to the Q-Mark Quality Management System Standard. In 2014, Roadbridge won the accolade of 'Best Company in Ireland for Quality Management Systems' at the National Q-Mark Awards.

Our IMS is customer-focussed and designed to deliver a regime of continual improvement for the business, clients and all stakeholders affected by our works.

We have a culture of QHSE excellence and implement a genuine "right first time" approach, which has been proven in the most exacting and complex engineering environments.

Our Directors have made a signed commitment to minimise the impact of our works upon both the green and the built environment; and to preserve resources and communities.

Roadbridge sets the highest standards in QHSE; and has a proven history of working collaboratively with our Clients, our supply chain and other third parties to deliver these standards.

Our IMS policy commits us to clear measurable QHSE objectives and the *continual improvement* of our performance; both internally and in reducing our impact upon those affected by our works.





Other notable awards that Roadbridge have had success in include, but are not limited to the following:

Award Title	Achievement
The Irish Logistics and Transport Awards 2014	Part of Team – Winner Logistics and Transport Team of the Year for Corrib Gas Project
Irish Construction Industry Awards 2014	Roadbridge – Civil Contractor of the Year
Constructing Excellence in Wales 2014 – Integration and Collaborative Working	Winners Integration and Collaborative Working Award - A477 SCRR, Wales
Irish Construction Industry Awards 2015	Winner – Contractor of the Year
Irish Construction Industry Awards 2015	Winner - Sustainability Initiative of the Year
National Procurement Awards 2015	Winner – Procurement & Supply Chain Sustainability Initiative Award
Irish Building & Design Awards 2015	Winners International Engineering Project of the Year – A477 SCRR, Wales

ICE Wales Cymru Project Awards 2015	Winner Major Project George Gibby Award (£3m plus) – A477 SCRR, Wales
CIHT Effective Partnerships Award 2015	Highly Commended Award, A477 SCRR, Wales
Q-Mark Food Safety Awards 2015	Q-Mark Level 3 Emerald – National Winner Level 3 Catering for Corrib Canteen
Food Safety Professionals Association Awards 2016	Winner – For Roadbridge Head Office Canteen at Crossagalla
Irish Construction Industry Awards 2016	Winner – Sustainability Initiative of the Year for Galway Wind Park Delivery Team
Engineers Ireland Excellence Awards 2016	Winner – Engineering Project of the Year for Corrib Onshore Pipeline (as part of delivery team)

“Health and Safety has always been a priority for us, so much so in fact we are regarded as an industry leader in this field.”

Morgan Sheehy
Director



Health & Safety



At Roadbridge, It is our philosophy to ensure that we “work safely or not at all.”

Each project has a dedicated Health and Safety Advisor/Officer. We are experienced practitioners of the applicable Safety Regulations for the area where we are working, for both our own works and when co-ordinating the Health and Safety elements of others.

Roadbridge sets the highest standards in QHSE; and has a proven history of working collaboratively with our Clients, our supply chain and other third parties to deliver these standards.

We have invested heavily in training for all our employees; from Management training through the IOSH accredited Managing Safely in Construction Course, to Safe Pass, CPC and CSCS Training for all our operatives. We have also facilitated the

training of subcontractor personnel while on our sites to ensure that all people working on our projects are equally aware and appreciative of our systems and standards.

Our Safety Management organisation structure consists of an experienced team of Safety Professionals coordinated through a dedicated Health and Safety Department.

This approach has led to Roadbridge winning several awards for Health & Safety Performance, with some examples being as follows:

Award Title	Achievement
RoSPA Occupational Health & Safety Awards 2016	Silver Award – Dersaloch Wind Farm
RoSPA Occupational Health & Safety Awards 2016	Silver Award – Langley Court Site Development

Irish CECA Awards 2016	Winner – Best Health & Safety Initiative – Grangegorman Site Development
Scottish Power Renewables Awards 2016	Best Health & Safety Award – Roadbridge Dersaloch Windfarm
NISO Awards 2016	Consistent High Achiever

Risk Management

The effective management of risk forms the core of our delivery structure. Our practice is to work in a collaborative manner with all stakeholders to deliver successful project outcomes.

Our risk management process ensures the mutual objectives of all stakeholders are realised in a way that is safe, sustainable and socially responsible.



Environmental

Roadbridge are committed to the protection of the environment throughout our works and we demonstrate this through means such as Certification to ISO 14001; Registering our UK based sites with Considerate Constructors Scheme; and through project sustainability award schemes such as CEEQUAL. We are very proud of our record of never having had any legal actions taken against us for environmental breaches in any jurisdiction.



In 2014, the A477 St. Clear's to Red Roses Road Improvement Scheme achieved the highest score for a road scheme in Wales, and the Athea Wind Farm became the first project of its kind within Ireland to achieve a CEEQUAL Award. Athea has also been further honoured by winning the CEEQUAL

Outstanding Achievement Award in the Energy & Carbon Category at the 2016 International Awards. These awards are only held every three years and represent the pinnacle of sustainability performance.

For each Project we are involved in, our Project Environmental Manager collaborates with our Environmental Department, designer, relevant Stakeholders and the Client to develop a suitable Environmental Operating Plan (EOP) or Construction Environmental Management Plan (CEMP), as required.

We begin each project with a comprehensive study of the Environmental Impact Statement and the Contract Documents and these form the site specific aspects of the Construction Environmental Management Plan. Environmental Risk Assessments are

prepared for each work element in order to ensure that the mitigation measures required are planned and integrated into the site works.

Project Specific Management Plans (as required) are developed under the following headings and also aligned with the Project Environmental Statement Chapters:

- Area Management Plan
- Surface water Quality Management Plan (incorporating Flood Hydraulics Management Plan)
- Site Waste Management Plan
- Traffic Management Plan
- Air Quality Management Plan

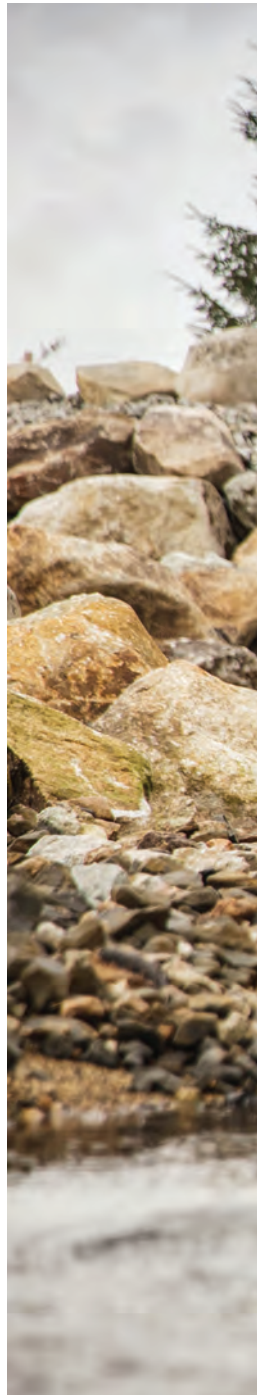


- Noise and Vibration Management Plan
- Archaeology Management Plan
- Ecological Management Plan (including Invasive Species and Protected Species)
- Contaminated Land Management Plan
- Pollution and Incident Control Management Plan
- Agriculture and Soil Management Plan
- Environmental Masterplan Drawings
- Sustainability and Climate Change Management Plans, including:

- Sustainable Construction Plan
- Green Travel Plan
- Sustainable Resource Management Framework
- Energy Management Plan
- Responsible Sourcing Code of Practice
- Materials Transportation Strategy

Within these plans the relevant hazards and risks are clearly identified and fully scoped. They are then rated and process controls established to ensure that they are properly managed at all stages of the Project lifecycle from design through to construction, maintenance and reinstatement. Regular management reviews of our Plans, processes

and controls is carried out during the Project, supplemented by internal and external auditing, to ensure that our Management Plans remain suitable and sufficient and represent a best practice approach.





BOARD OF DIRECTORS

Jim Mulcair

Chairman of the Board

Conor Gilligan

Managing Director

Morgan Sheehy

Director with responsibility for Purchasing

John Duggan

Director with responsibility for Contracting

Pat McCarthy

Director with responsibility for Contracting

Des Mulcair

Director with responsibility for Business Development

Michael Gallagher

Director of Roadbridge UK

Cathal Doherty

Director of Roadbridge UK

David Sloyan

Director of Roadbridge UK

Jamie Mulclair

Director of Roadbridge UK

Currently Roadbridge directly employs a labour force of approximately 700 people. Our approach is to employ people that display excellence in their field and to give all personnel the opportunity to improve and develop their skills. This approach is adopted for all employees across the organisation.

Such is our commitment to maintaining a dedicated workforce, that we have not experienced industrial action in our 50 years of operations. This is a commitment that we will strive to maintain for the future.



Organisation

High Calibre Personnel

The Roadbridge approach is to encourage and mentor our personnel to develop excellence in their field and to give them the opportunity for career development.

We provide continual support for our professional staff and encourage their participation in Continuing Professional Development. All projects require induction of personnel prior to commencement and on-going safety training and construction skills courses are provided.

Our aim is to create a great place to work and to provide our personnel with a good work/life balance.

The Roadbridge organisational structure is developed to ensure that management has an ear to the ground and that a cost focused

approach is assured for all projects. The company is managed by its Executive Board of Directors who ensures that the company maintains a strategic focus.

The company employs a large team of experienced and specialist construction management staff. This team comprises Contracts Managers, Commercial Managers, Site Agents, Senior Engineers, Quantity Surveyors, Safety Professionals, Quality and Environmental Professionals, Foremen, Site engineers and Machine Operators.



ROADBRIDGE ON THE MOVE!





Modern Plant Fleet

Roadbridge owns and operates a wide ranging plant fleet enabling us to self-perform the major works on our projects. The plant fleet in excess of 600 units comprises: Tracked and Wheeled Excavators; Bulldozers; Articulated Dump Trucks; Site Dumpers; Teleporters; Loaders; Graders; Rollers; Concrete Crushers, Rockbreakers, Piling Hammers, and Screeners. All our plant is serviced and maintained by main dealers and all have bought into our preventative maintenance policy. GPS systems have been fitted to a significant portion of all Excavators, Dozers and Graders. Lift Watch and Height watch systems are also fitted to a wide range of our excavators. Roadbridge has invested significantly in on site repairs which fall under the wear and tear banner and now has the ability to complete all repairs on tyres, buckets and breakers etc. in house without any delays. This provides significant resilience to our operations and

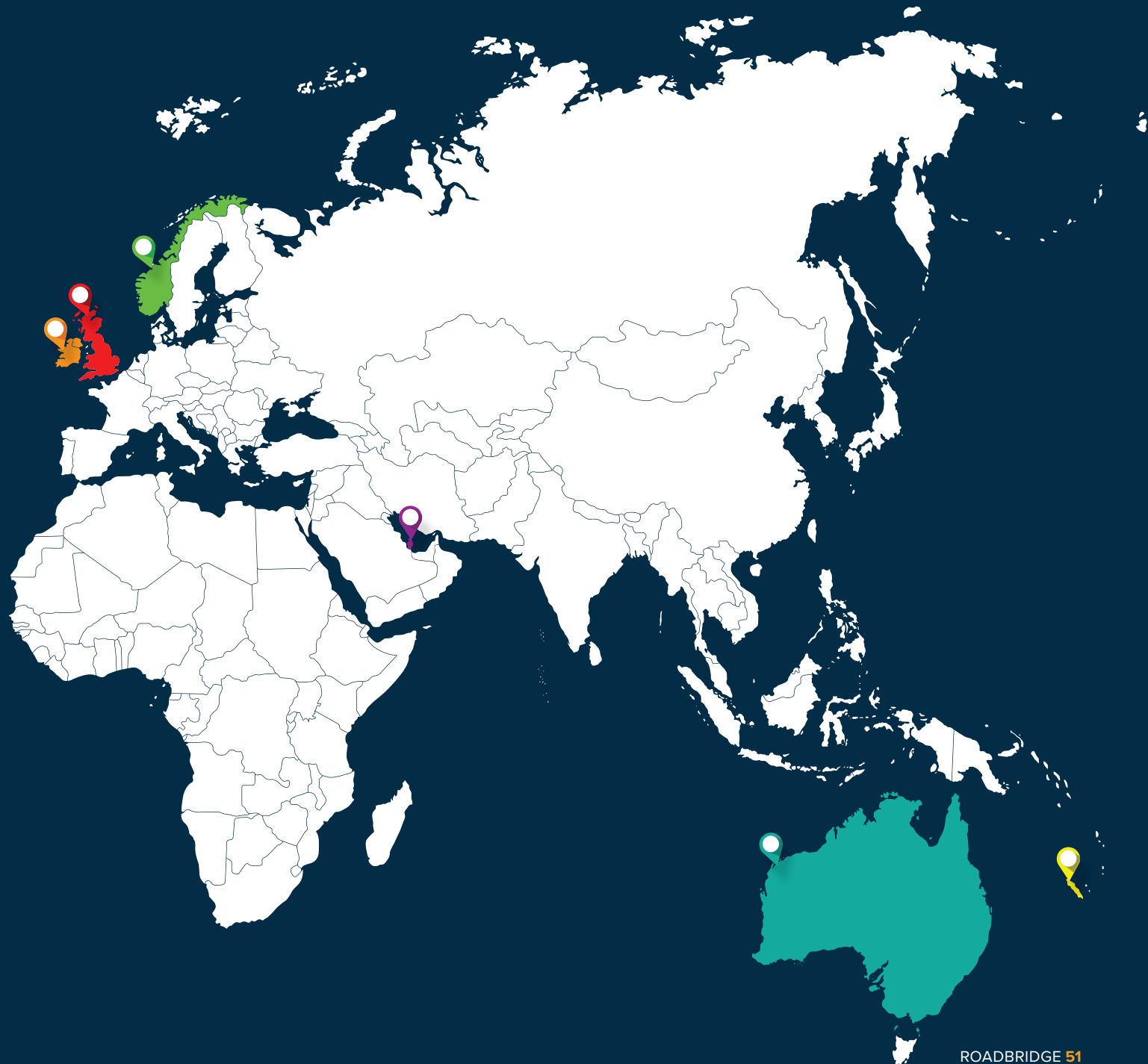
allows us to self-perform the majority of site tasks with the flexibility to swiftly augment plant resources as required.

In line with our maintenance of an extensive plant fleet we also own over 340 units of technical / surveying equipment including Advanced Tracking Sensors (ATS) for dozer and grader blade control and excavator bucket control, GPS Rovers, GPS base stations and repeaters and total stations. All our ATS systems are interchangeable which in addition to the dedicated support of our equipment supply chain partners ensures we have maximum flexibility to meet the demands of particular projects.



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