



IWEA Safety Conference

22nd May 2019





Roadbridge

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Who are we ?

Established in 1967.
We have over 50 years of experience and steady growth behind us, with repeat business paying testament to our continued success.

What do we do ?

Specialists in delivering Civil Engineering and Infrastructure Projects.
We have the ability to work efficiently in a highly controlled fast track, multi-discipline environment.

How do we do it ?

Client-focused Management.
We maintain direct control of all major project activities by practicing an old-style 'Main Contractor' system with open communication and excellent resources.

Some Figures That Help Sum Us Up`:

1967: Established

€278m: 2018 annual turnover

721: No. of employees

120: No. of engineering/technical staff

25: No. Safety Professionals

50: % of employees with >10yrs service

4: % of employees on apprenticeships

640: Items of company owned equipment

€395m : Order Book January 2019

5A: Dun and Bradstreet positive rating



Some Figures That Help Sum Us Up:

330 km of Motorway Infrastructure built in last 10 yrs.

421 km of high pressure gas transmission lines built

381 Nr. of wind turbines built (enabling & civils works) in excess of 1 GW

44.3: Considerate Constructors Scheme average audit score

315: CCS Awards to date

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Delivery

Our Proven Success.
Our turnover is approx. €230 million per annum, 2008-2017. Our balance sheet is > €85 million. Dun and Bradstreet 5A.

Delivery

Innovative and Experienced.
We can draw on extensive engineering knowledge and experience to ensure efficiency and quality resulting in on time delivery of our projects.

Delivery

Strong Resource Team.
We have over 700 permanent, direct employees, the largest plant fleet in Ireland and a long term and stable supply chain relationship.

International

Since 2008, works in:

- Poland
- Qatar
- Oman
- New Caledonia
- Norway
- Sweden



United Kingdom

UK company incorporated for 10 years

Corporation tax, Income Tax

Social insurance payments

Offices: London, Birmingham, Cardiff, Glasgow

55% of turnover in 2018

Client Base

Multi-national, state
and domestic clients.



KWE West Residue Storage Facility, Goro New Caledonia



Client Vale

- Working in a Live Mine constructing a residue storage Facility
- 4.85 mil m³ of General Earthworks in the construction of the internal Batters and berm.
- Processing of 2,200,000m³ of rock
- Loading, Hauling and Placement of 1,800,000m³ of unsuitable material to waste tip Area.
- Construction of temporary & Permanent Access Roads
- Place 600,525m² of HDPE liner
- 55,500m² of 0.25m to 1m thick rip rap.
- Average Rainfall 3.4m
- Value €144 million



Client: Total E&P UK Ltd

Gas Terminal Earthworks

1.4 million m³ Excavation of which
660,000 m³ Zero shear strength peat
High pressure Gas Pipeline Across the
Island and two landfalls
Contract Value £82 million



Corrib Gas Pipeline Tunnel for Shell E&P



Client SHELL E&P

- Site Clearance and Construction of the Compound
- Installation of 7800 Sheet Piles
- Installation Pipework & Services
- Construction of Roads and Concrete Structures (5200M³)
- Responsible for Incoming and Outgoing logistics Including: -
 - Collection and Removal of Tunnel Arisings (68,000M³) to Licenced Facilities.
 - Delivery of Tunnel Segments (23,640)
 - Over 50,000 Truck Movements
- Demolition and removal of Concrete Structures and Roads
- Final Reinstatement
- Value €59 million



Windfarms completed Ireland and UK

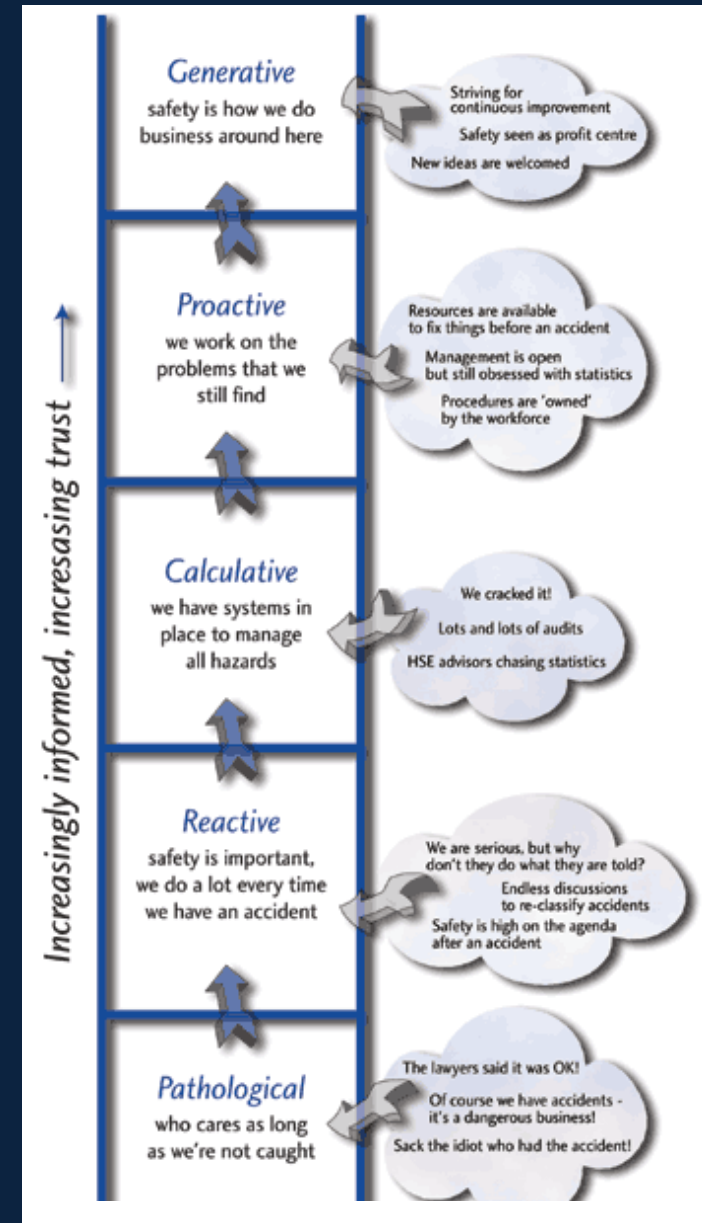


	Total To Date	Total By Dec 2019
Wind Turbines	381 Nr	432 Nr
Generation Capacity	901.5 MW	1.05 GW



Evolution of HSE Culture – Roadbridge Journey 1967- 2019

- Benchmarking - Internal and External assessment
- Oil and Gas Industry 2004
 - Safety – Quality – Schedule - Cost
- Establish a baseline of our overall safety performance
- Established Family Firm respect for all
- Large directly employed workforce
- Resource Allocation 25 safety professionals
- Constant Striving for improved performance
- Management Safety performance assessment
- Safety performance ==> a real driver of our business



Core Beliefs

Safety Culture

- **Respect** – We respect our people and our neighbours. Everyone has the right to arrive home safely each day.
- **Avoidable** – Zero incidents is possible. Any foreseeable hazard is avoidable.
- **Management Accountability** – Every incident is a management and leadership failure.
- **Schedule Change** – No job is that critical that it cannot be done safely.

Roadbridge Critical Safety Rules

1. I will not enter an unprotected Excavation
2. I will only undertake work I am authorised to do
3. I will not work under the influence of drugs or alcohol
4. I will comply with the Five – Point PPE Policy
5. I will not place myself or anyone else in the line of fire while working with plant & machinery

IF YOU CHOOSE TO BREAK THESE RULES, YOU CHOOSE NO TO WORK ON ROADBRIDGE PROJECTS





Roadbridge

Our SafePath Agreements



Behavioral Based Safety (BBS) Course

Safety Leadership

Leadership Shadow

Genuine humility and Respect for all stakeholders
 Convince our staff Wellbeing and Safety is paramount
 Create authenticity in our message
 Beyond the workplace
 Safety forms part of all communications
 Open Questions – Our Safe path agreements
 We Protect OUR people
 Striving for leading indicators
 Mindset of chronic unease
 Willingness to grow and learn
 Assessment Qualitative not binary
 Training...Training...Training

Safety Performance Metrics

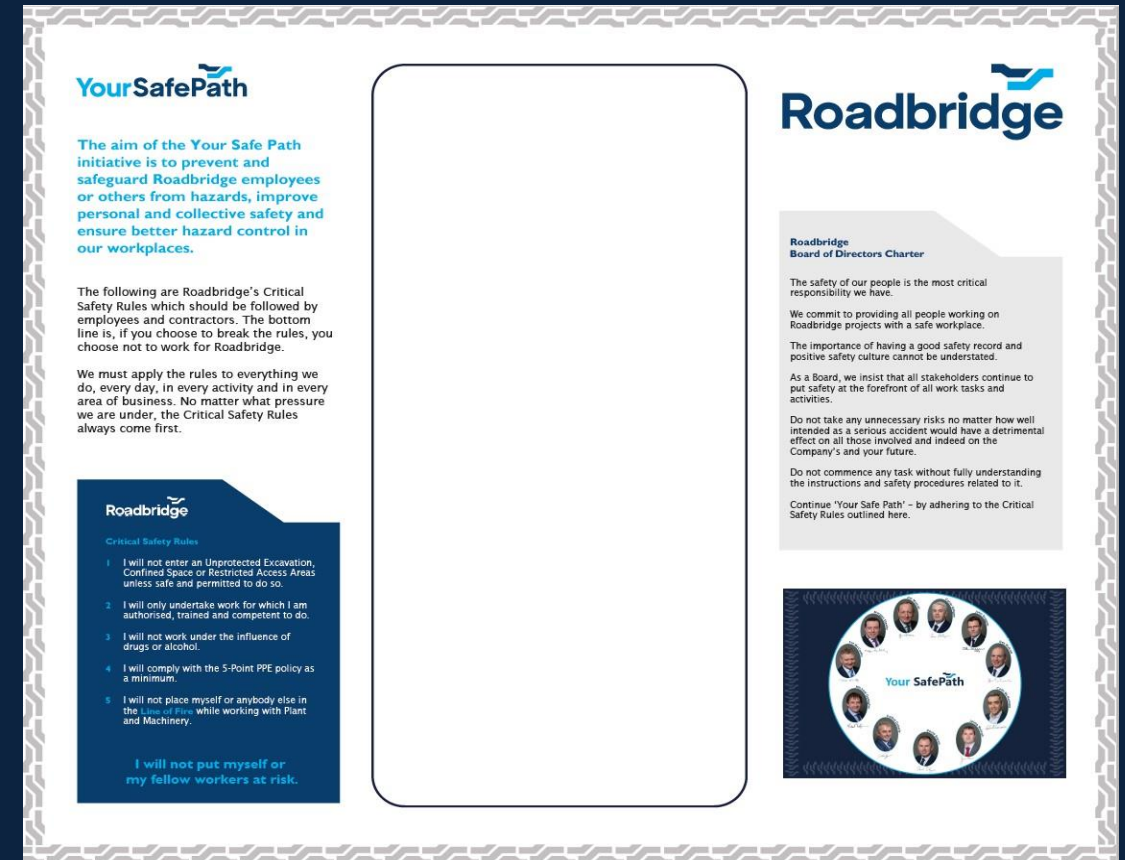
Corrib Gas Terminal – 2 million man-hours without LTI.
Whitelee Wind Farm Extension – 1.5 million no LTI.
Gas pipeline to the West – 1 million without an LTI.
CCS Gold award – Oweninny WF and Center Parcs
 LTAFR = 0.03 – Industry Average = 0.2

Your Safe Path

Roadbridge have developed an initiative called “Your Safe Path” to prevent and safeguard all workforce on Roadbridge Projects from hazards, improve personal and collective safety and ensure better hazard control in our workplaces.

This is illustrated in the form of a display board which is erected in the public area on each of our projects and has two main elements.

1. 5 Critical Safety Rules
2. Roadbridge Board of Directors Charter



As a new member of our Project, you will be asked to sign this Board verifying your commitment to the Charter and the Critical Safety Rules as explained in the following section.

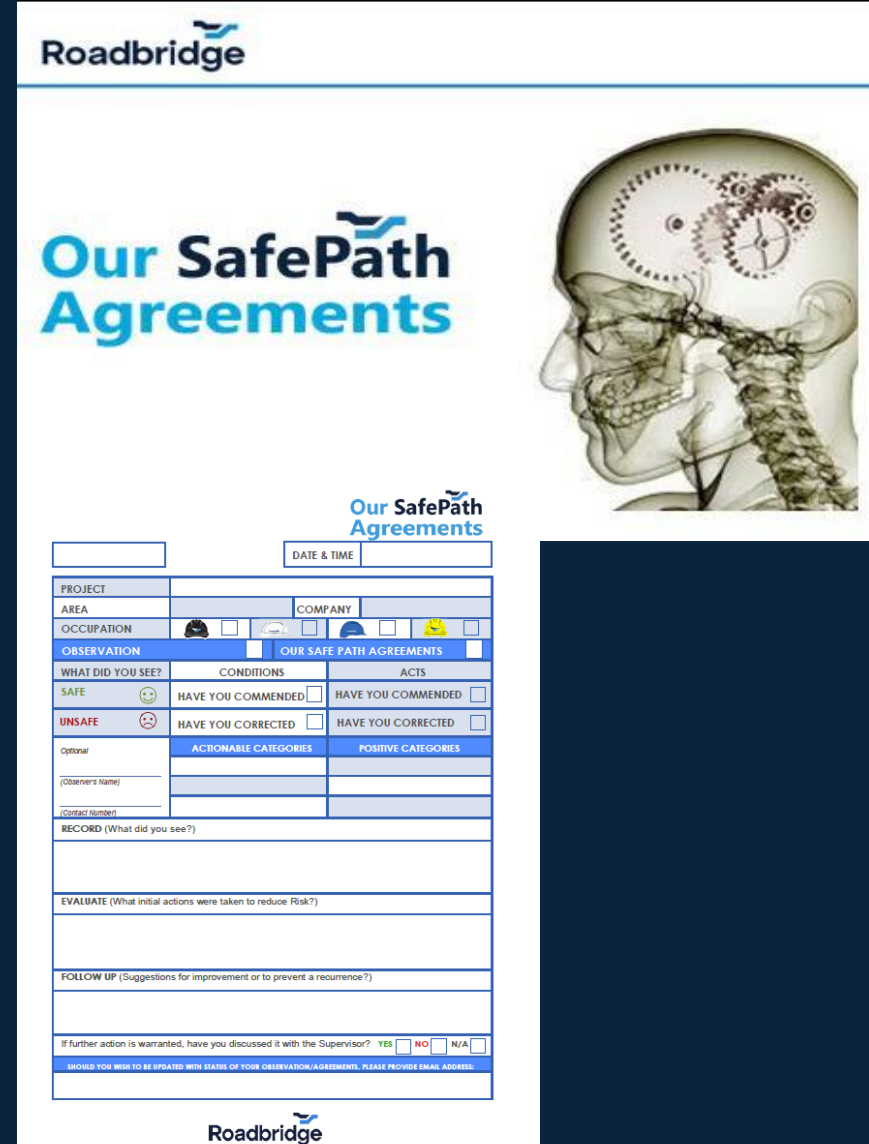
Our Safe Path Agreements

As part of the “Your Safe Path” initiative, Roadbridge has developed a Behavioural based Safety programme called “Our Safe Path Agreements”.



It applies to all project staff, employees and sub-contractors and aims to create a culture of positive recognition, open conversations and mutual agreements, whereby safer behaviours are nurtured and ultimately lead towards lower incidence of accidents. It does this by the following:

- Improves safety culture
- Creates Leadership, Involvement & Trust
- We find out what is really happening
- Unsafe acts are corrected
- Good safety practices are reinforced
- Reinforce our safety standard

Bespoke “Our Safe Path Agreements” Courses are rolled out across Roadbridge Projects and your attendance will be expected.



The image shows the 'Our SafePath Agreements' form and a graphic of a human head with gears inside, symbolizing thought and safety. The form is titled 'Our SafePath Agreements' and includes fields for PROJECT, AREA, COMPANY, OCCUPATION, and OBSERVATION. It also has sections for 'WHAT DID YOU SEE?' (SAFE/UNSAFE), 'CONDITIONS', 'ACTS', 'ACTIONABLE CATEGORIES', 'POSITIVE CATEGORIES', 'RECORD', 'EVALUATE', and 'FOLLOW UP'. The form is branded with the Roadbridge logo.

Our SafePath Agreements		
PROJECT		DATE & TIME
AREA	COMPANY	
OCCUPATION		
OBSERVATION	OUR SAFE PATH AGREEMENTS	
WHAT DID YOU SEE?	CONDITIONS	ACTS
SAFE 	HAVE YOU COMMENDED <input type="checkbox"/>	HAVE YOU COMMENDED <input type="checkbox"/>
UNSAFE 	HAVE YOU CORRECTED <input type="checkbox"/>	HAVE YOU CORRECTED <input type="checkbox"/>
Optional	ACTIONABLE CATEGORIES	POSITIVE CATEGORIES
(Observer Name)		
Contact Number		
RECORD (What did you see?)		
EVALUATE (What initial actions were taken to reduce Risk?)		
FOLLOW UP (Suggestions for improvement or to prevent a recurrence?)		
If further action is warranted, have you discussed it with the Supervisor? YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>		
SHOULD YOU WISH TO BE UPDATED WITH STATUS OF YOUR OBSERVATION/AGREEMENT, PLEASE PROVIDE EMAIL ADDRESS:		

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Some Current Roadbridge Initiatives



- Roadbridge look after/support our workforce
 - 3rd party company “ Workplace Options” to support our workforce and their families in
- Mental Health First Aiders
 - Mental Health awareness promotions – removing all barriers ensuring people realise it’s



- Roadbridge promotes a positive working environment
 - Roadbridge promote the Industry to encourage new entrants
Promoting to both the future Potential Workforce and their influencer - Intern Programmes
Open Days
A multitude of prof
not just the imagery of the “man in a white van laying blocks in the rain”



- Journey Management
 - The remote locations of projects within the Wind Industry - commute long distances.
Car pooling , minivans with dedicated drivers / Advanced Weather warning Whatsapp me
workforce
- Fatigue Identification among the Workforce
 - Create a red, amber, green code system whereby fatigue can be identified.
- Commitment to employ a “high local content” Project legacy and win/win for our project
- Emergency Preparedness
 - Remoteness of the project locations Onsite Training and liaison with 3rd party Emergency
Drills