

James Fisher
Renewables



Expertise for
the **extremes**



Equipped to support every phase of the offshore wind farm lifecycle

At James Fisher Renewables we've done so, repeatedly and successfully, since 2007 in some of the toughest offshore operating conditions around the world.

A success story

We've achieved our status as a leading service provider in offshore wind for many reasons. Our capabilities, our assets, our exceptional people, and our international track record all play a part in our success story.

So too do our values – pioneering spirit, integrity, energy and resilience. Those only mean something when we apply them to our everyday work, and that is precisely what we do as we partner with customers internationally to support the transition towards low carbon sources of energy.

These values underpin our expertise for the extremes, readying us to take on the toughest challenges in the most hostile conditions. They add extra depth and substance to our experience, skills and insight as we work to deliver on our promises and help you realise the full potential of your asset.

Wayne Mulhall
Managing Director

Why James Fisher Renewables?

Capabilities

We have proven skills and insights that underpin everything we do.

Assets

We continue to invest in a resource base that enables us to offer technical solutions swiftly and efficiently.

People

Our people are specialist, trusted to innovate and engineer solutions thanks to their expertise, niche technical skills and front-line experience.

Global reach

Our network of global bases and strategic alliances positions us to deliver seamless services wherever they are required.

Powering a better future

We deliver expert support for the renewables industry to accelerate the energy transition – enhancing safety and saving you time and money.

At James Fisher Renewables, we provide technical and operational support for offshore wind farm developments internationally.

Our expertise for the extremes is about more than reliable operations in harsh and inaccessible locations, or amid project or technical challenges.

It is about our extensive experience in meeting your safety goals, in delivery, in risk mitigation, in realising cost and safety gains.

Experience you can trust

As part of James Fisher and Sons plc, one of the world's leading marine services providers and listed on the London stock exchange, we benefit from their operational and financial strength which serves multiple sectors worldwide.

It means our everyday service delivery is also founded on 170 years of operational and technical excellence: on a culture of innovation, integrity and progressive thinking.



17GW

Facilitated over 17GW of offshore wind installed capacity



+50

Critical construction and operations and maintenance expertise at over 50 sites



+200

Track record of over 200 projects worldwide

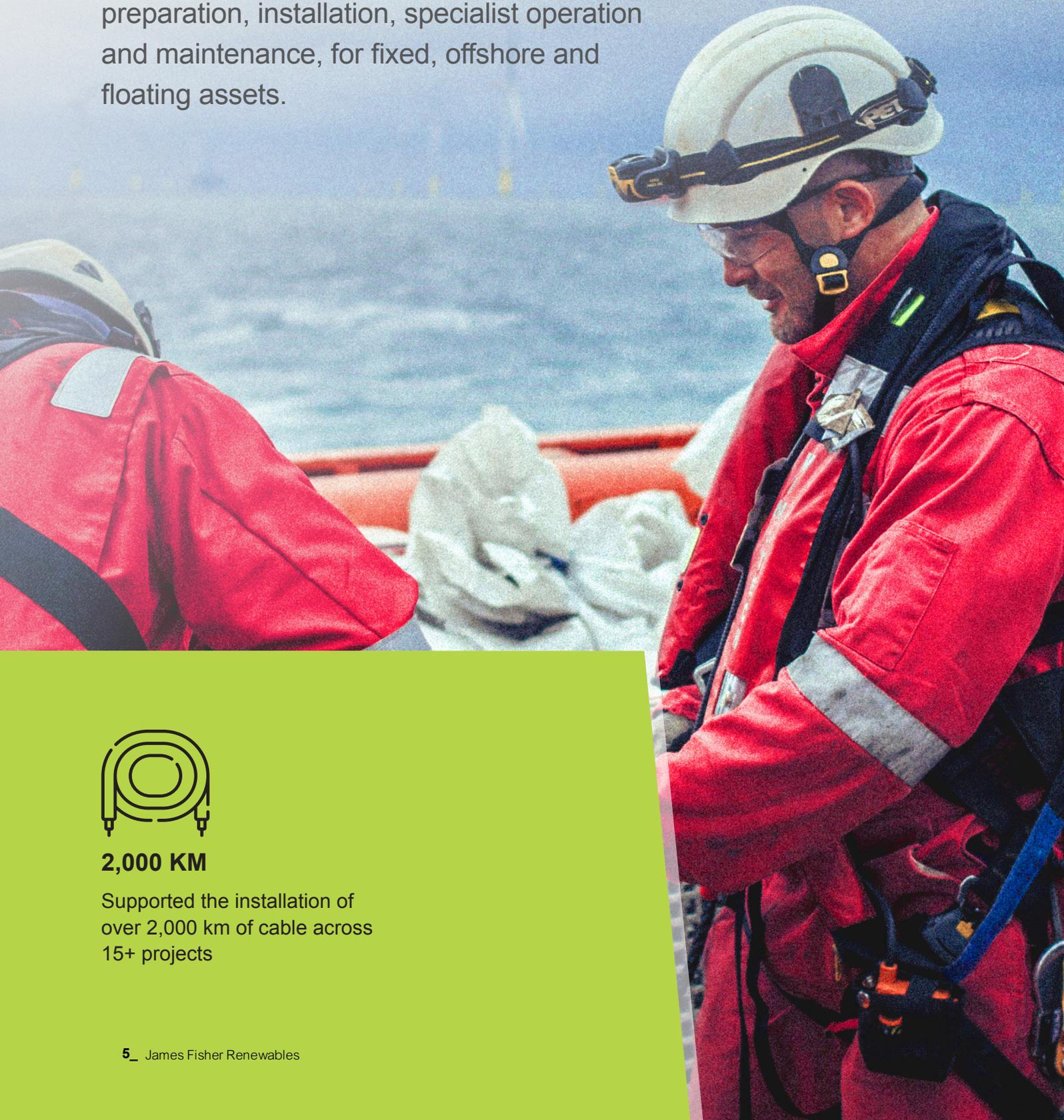


Our purpose

Pioneering safe and trusted solutions to complex problems in harsh environments, to create a sustainable future.

Our services

We provide comprehensive and trusted solutions dedicated to the technical and operational aspects of construction preparation, installation, specialist operation and maintenance, for fixed, offshore and floating assets.



2,000 KM

Supported the installation of over 2,000 km of cable across 15+ projects

Offshore contract personnel recruitment

We work closely with our customers to secure the best personnel for their projects. Our complete service includes marine travel, visas, and 24/7 out of hours cover as well as ensuring you receive complete validation of qualifications and certification with every candidate

Specialising in wind farm export, array cable trenching and telecom cable installation, you can take advantage of our extensive recruitment resources and expertise

We provide skilled offshore personnel, including but not limited to;

- ROV pilots, supervisors and technicians
- Medics
- Carousel and cable engine operators
- Riggers
- Offshore superintendents
- Offshore managers
- Marine coordinators
- Trenching personnel
- Client representatives
- Deck officers

Site preparation

We create streamlined solutions that reflect your operational and commercial priorities: reliable and robust work execution, delivered efficiently and cost-effectively.

As wind farm projects move further offshore, into increasingly deeper waters and harsher environments, our quality assets and distinctive offshore methodologies prove their value.

Our extensive in-house resources position us to complete every element of the preparatory phase including:

- Surveys
- Excavation and trenching
- Boulder clearance
- Diving and ROV
- Noise attenuation
- PLGR

Pre-installation and commissioning

We provide integrated packages of complex and specialist services to support construction at scale during the installation and commissioning phases.

As your single source supplier, we eliminate the complexities and inefficiencies associated with the deployment of multiple disciplines, contractors and suppliers during these key stages.

We apply our proven capabilities, experience and industry insights across:

- Cable burial (end of run)
- Cable / pipe crossing corrections
- Cable pull-in
- Cable stabilisation
- HV commissioning
- HV safety management
- Testing and terminations
- Monitoring - Structural health, condition and mooring

Unplanned maintenance and emergency response

Our full suite of in-house capabilities, allied to our global reach and presence, mean we are primed to respond swiftly to meet your unplanned maintenance requirements.

- UXO ID and disposal
- Export cable fault detection
- Cable repair / replacement
- Diving and ROV
- Blade repair

Operations and maintenance

We're focused on helping you maximise the value of your renewable energy assets through generation and transmission availability.

We have invested in systems and technologies that set us apart in the market, focussing on helping you maximise the value of your renewable energy assets through generation and transmission availability.

Our portfolio includes:

- Balance of plant
- Blade IRM (inspection, repair and maintenance)
- Subsea IRM (Route and Structures)
- Transmission availability O&M
- High voltage network management
- 24/7 monitoring and control
- Diving and ROV
- CP replacement / bend restrictor remediation
- OFTO asset management

Digital advances

Helping you to plan, build and operate with efficiency.

In the burgeoning offshore wind farm sector – as the industry matures, as developments grow in scale and move further offshore, and as projects become ever more complex – we’ve harnessed the power of digitalisation.

Our digital solutions

We’ve introduced a series of digital solutions, all designed to help monitor, maintain, manage and optimise your operational performance.

Designed to help you monitor, maintain and manage – to help you optimise your operational performance.

Digital Twin (R2S)

Creating 360° virtual models with embedded data, R2S enables you to see a highly detailed representation of your asset.

Used by 130 organisations globally, delivering reported efficiency savings of over £120m.

Mermaid®

Our specialist planning tool Mermaid® yields an in-depth understanding of weather and tidal conditions on your project schedule.

Uniquely accurate in its predictions – proven to within 1% of actual weather and tidal conditions.

OWMS®

Marine Management System: our Offshore Wind farm Management System OWMS® supplies real-time data that helps realise greater operational efficiencies and cost reductions.

Leading European energy company Vattenfall has benefited from the deployment of some of our key products:

“We see huge value in the R2S software. Its digital twin technology allows us to remotely manage our assets using a like-for-like digital copy. We are excited about future developments and integrations with different data sources, which will help us manage our assets more effectively and efficiently.”

- Michael Herdman, Project Manager at Vattenfall

“Mermaid® is a comprehensive solution for our marine weather risk modelling. We need to know how much and for how long the weather will cost us, and Mermaid supplies the answers. It’s fully flexible, being able to model the smallest operations to large-scale programmes and its easy-to-use interface allows us to model fast, and iterate project plans quickly.”

- Anne Lina Holy, project simulation analyst at Vattenfall



Track record

Our support for offshore wind farm developments dates back to 2007 and now encompasses over 200 projects internationally.

Galloper wind farm

High-voltage

Remit: Full asset management high-voltage services for offshore platforms, onshore substation and grid connection: maintenance service, 24/7 management of operations, safety coordination, maintenance services.

Outcome: Successful delivery of fully integrated service with enhanced operational line of sight, helping facilitate major boost for local economy: up to 700 jobs during construction and 90 long-term posts.

East Anglia ONE wind farm

UXO identification and clearance

Remit: Provided initial UXO campaign including identification and clearance utilising bubble curtain technology - a first in the UK - at East Anglia ONE 102-turbine, 714 MW offshore wind farm. Additional services included: guard vessel provision, installation and maintenance of offshore site boundary markers, Fern Communications WaveCom™ and marine coordination through innovative Offshore Wind Management System (OWMS®).

Outcome: 796 potential UXO targets were identified during the project, with 69 safely disposed of, allowing the construction to continue and preventing the costly delays that mismanagement of UXO risks can lead to.

Greater Changhua wind farm

Bubble curtains

Remit: Provided bubble curtain noise attenuation technology during installation phase of the Greater Changhua 605 MW offshore wind farm in Taiwan.

Outcome: Successful noise mitigation during wind farm installation, protecting marine life during subsea operations.

A photograph of an offshore wind turbine in the ocean at sunset. The sky is a mix of orange, yellow, and dark brown, with some clouds. The water is dark with some ripples. A diagonal line separates the image into two parts: a greenish-yellow area on the left and a darker orange area on the right. The text is overlaid on the greenish-yellow area.

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