

James Fisher
Renewables



Balance of Plant

Expertise for
the **extremes**



PROPERTY OF

MDS 22 KM

74358-CM-VIDEOLIGHT
TYPE 1000

DJ Cleared

CE KF460 100%
SILCO
MADE IN ITALY



Equipped to support the offshore wind farm lifecycle

JF Renewables has been successfully working in some of the toughest offshore operating conditions around the globe since 2007 - which has earned us our status as a leading service provider in the offshore wind sector.

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.

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 specialists who are trusted to innovate and engineer solutions thanks to their expertise, niche technical skills and frontline experience.

Global reach

Our network of global bases and strategic alliances positions us to deliver seamless services wherever they are required including UK, Europe, APAC and North America.

Balance of Plant

What is Balance of Plant?

Balance of Plant (BoP) is the term used to describe all the infrastructure and facilities of a wind turbine farm, excluding the wind turbine and nacelle.

BoP is the most important link for delivering power produced by a wind farm to the market. By undertaking appropriate BoP inspections, wind farm operators can ensure the safe and profitable operation of their wind farm by ensuring any issues are identified and addressed before any potential downtime of the asset.



BoP services are split into three main packages:



High Voltage
(Onshore and Offshore)



Above Water



Below Water
(Subsea IRM
and Survey)





Tailored packages

Packages can be tailored to customer specifications including unplanned maintenance works.



Our offering

JF Renewables offers a comprehensive BoP package of services that can either be integrated into one contract or into multiple contracts.

Work Scope	High Voltage	Topside	Subsea IRM and Survey	Onshore	Integrated
24/7 Control Room	✓				✓
Autonomous Vehicles/ROVs	✓				✓
Bathymetric Survey	✓				✓
Battery storage 24/7 monitoring and control	✓				✓
Cables (EC) Depth of Burial (DOB)	✓				✓
HV maintenance	✓				✓
Inter Array Cables (IAC) Depth of Burial (DOB)	✓				✓
Transmission availability	✓				✓
Bolt inspections		✓			✓
Detailed visual inspections		✓			✓
Earthing inspections		✓			✓
General visual inspections		✓			✓
Statutory Inspections		✓			✓
Marine management and coordination		✓	✓		✓
Autonomous Vehicles / Diving / ROVs			✓		✓
Bathymetric Survey			✓		✓
Bolt tensioning			✓		✓
Cable Depth of Burial (DoB) Survey			✓	✓	✓
Cable Protection System Retrofit			✓		✓
Cable Protection Systems (CPS) survey			✓		✓
Cathodic Protection (CP) - inc. Anode Depletion			✓		✓
Detailed Visual Inspection (DVI)			✓		✓
General Visual Inspection (GVI)			✓		✓
Marine Growth (MG) inc. Cleaning			✓		✓
Scour Inspection (inc. Multibeam Echo Sounder Survey - MBES)			✓		✓
Subsea Unscheduled Maintenance			✓		✓
Onshore substation (scheduled and unscheduled maintenance)				✓	✓
Project Schedule and Progress Reports during Operation				✓	✓
Spare parts and consumables				✓	✓
Warehouse management				✓	✓
ICCP Retrofit		✓			✓

A photograph of an offshore wind farm at sunset. The sky is a mix of deep blue, purple, and orange, with scattered clouds. The water is calm, reflecting the colors of the sky. Several wind turbines are visible, their silhouettes standing against the bright horizon. The overall mood is serene and hopeful.

Because expertise matters

Globally, our expertise has supported the construction, development, and maintenance of over 17GW of offshore wind installed capacity in over 14 years.



Why us?

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

Technical expertise

Our teams and technologies have pioneered the delivery of clean energy safely via in-house services ranging from pre-construction support – such as UXO EOD and PLGR – to implementation of High Voltage safety rules. In addition, our renewables expertise encompasses turbine and blade maintenance through to full Balance of Plant services, including topside, subsea and high voltage.

Operational optimisation

Our operational optimisation ability includes weather assessments, using in-house software Mermaid™ as well as focusing on optimum utilisation of vessels for maximum efficiency. This may see a singular vessel used in multiple configurations to avoid duplicate mobilisations and provide further value.

Our offering also includes contracting management, project progress reports, procurement and invoicing.

Multiple work packages

Through our dedicated service companies, we are able to manage multiple work packages, which are each led by our service specialists. We have extensive experience, through our track record, of successfully delivering this. Whereas a single interface provides a clear and concise line of communications and accountability through the Contract term.

Local content

We are committed to providing back to local communities and through our local content engagement programme, in each country we utilise local logistics, train local technicians and collaborate with key strategic partners in-country. Providing a robust supply chain structure in each region, and drawing on location expertise, is at the heart of our values and operational excellence. Our current regional offices include United Kingdom, France, Norway, Taiwan and USA.

Financial stability

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.

Strong track record

With a track record of over 200 projects completed worldwide we've provided critical construction and operations and maintenance expertise at over 50 sites.



Scan for track record





Expertise for the extremes

jfrenewables@james-fisher.com

jamesfisherrenewables.com

James Fisher
Renewables



© 2022 James Fisher Renewables

R1