





Floating wind solutions

Balmoral provides engineered buoyancy and protection product solutions for the harshest subsea environments in the world.

The experience gained in consistently delivering the highest quality products has been transferred to the offshore wind market where patented technologies are exceptionally well suited to floating offshore wind installations.

These products, which form the core of the business, are tried, tested and supported by an extensive evidence-based track record and industry-leading installation times, vessel deployment optimisation and total cost of ownership.

Fixed wind solutions

Balmoral HexDefence is an award-winning, globally patented solution. ::...cc combats seabed scouring around fixed wind turbine structures, helping to reduce costs, risks and carbon footprint associated with fixed offshore wind turbine operations.

The company offers a range of cable protection systems (CPS) for fixed offshore wind inter array and export cables. Balmoral's patented FibreFlex® CPS solution predominantly comprises standard dynamic units (SDU's) specifically designed for the active environment within the dynamic section of the cable installation.

Solutions are provided for varying apertures on monopile installations, as well as J-tube and I-tube options for jacket structures.

Balmoral Subsea Test Centre

Hydrostatic testing

The Balmoral Subsea Test Centre offers 23 test vessels most of which allow tests to be monitored remotely.

Ranging from 1010mm (3'3") to 10,400mm (35'6") in length, with internal diameters of 360mm (14") to 2500mm (98") and pressures to 700bar, allowing us to perform testing to ensure subsea components are qualified for use in deepwater environments reaching depths of 7000msw.

Test rig

A fully comprehensive test rig for offshore wind-related products comprises winches, tower, monopile and J-tube entry options designed to simulate subsea interfaces and varying installation parameters.

Routine testing includes bending and axial stiffness, load, curvature, axial, operational and safety performance.

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