The European Offshore Wind Deployment Centre (EOWDC) is Scotland’s largest offshore wind test and demonstration facility which is being developed by Vattenfall-owned Aberdeen Offshore Wind Farm Limited.

Located in Aberdeen Bay, the innovative 92.4MW 11-turbine offshore wind scheme will trial next generation technology and once operational, boost the industry’s drive to competitive clean power.

Underlining the vision for the more than £300 million EOWDC is the installation of V164-8.4MW turbines paired with suction bucket foundations - an industry first. Construction of the facility, which also includes 66kV cabling, began in October 2016, with first power expected in summer 2018. The project will be operating for 20 years.

The EOWDC has been awarded up to €40million of funding from the European Union and is supported by Aberdeen Renewable Energy Group (AREG).

**INNOVATION - The EOWDC will trial a range of next generation technology including: Suction Bucket foundations, V164-8.4 Turbines and 66kV Cabling.**

**SUCTION BUCKET JACKETS**

Suction bucket jackets form a key component of the EOWDC and underpin the facility’s test and demonstration of innovation.

The game-changing jackets enable faster offshore installation of the EOWDC, while also keeping noise to a minimum, as well as easier decommissioning as the installation process is reversed. As such, the technology will contribute to driving down the cost of clean power.
Vattenfall is committed to accelerating the development of wind energy and cost reduction through innovation and collaboration. This includes opening up the wider business opportunities that the EOWDC offers to maximise project supply chain content in the Aberdeen area, Scotland and the wider UK.

The Tier 1 contractors that have been appointed are MHI Vestas Offshore, Boskalis is the offshore balance of plant (BoP) contractor for the construction and installation (EPCI) of the offshore infrastructure including the foundations and cabling.

Engineering and infrastructure specialist Murphy is responsible for the onshore substation and associated cabling work.

Wind which will supply the V164-8.4 MW turbines while Boskalis is the offshore balance of plant (BoP) contractor for the construction and installation (EPCI) of the offshore infrastructure including the foundations and cabling.


For more information on the EOWDC please visit https://corporate.vattenfall.co.uk/projects/wind-energy-projects/european-offshore-wind-deployment-centre/