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MHI VESTAS OFFSHORE WIND TO SERIAL PRODUCE 80-METER BLADES FOR V164-8.0 AT UK FACILITY

Manufacturing on the Isle of Wight could begin as early 2Q 2015



MHI Vestas Offshore Wind will serial manufacture the 80m blade for the V164-8.0 MW, the world's most powerful offshore wind turbine on the Isle of Wight off the southern coast of the UK. The announcement is the first part of a wider industrialisation strategy in the UK which is expected to result in up to £200m worth of economic impact, including investment and safeguarding or creating up to 800 jobs.

As part of the strategy MHI Vestas Offshore Wind will lease the production hall at Vestas' blades technology centre on the Isle of Wight from 1 January 2015. Production of blades could commence in the second quarter of 2015 de-

pending upon a pipeline of firm and unconditional orders.

CEO Jens Tommerup said the agreement underlines MHI Vestas Offshore Wind's commitment to the UK offshore wind market.

"We are extremely pleased to publically announce the first stage of our industrial strategy here in the UK, the world's largest offshore wind market," Tommerup said. "MHI Vestas Offshore Wind will become the first manufacturer with the capacity to serial produce blades for future offshore wind projects in the UK, and we look forward to sharing further aspects of our industrial strategy in due course."

"The energy sector is powering Britain's economic recovery — the UK is already the world leader for investing in offshore wind, and 2,250 green jobs were created this year in our wind industry," UK Energy and Climate Change Secretary Ed Davey said. "We are building on that success with our historic reforms to the electricity market.

"The blades that MHI Vestas Offshore Wind will manufacture are being designed, tested and produced in the UK. This is another great example of how our offshore wind industry is attracting global investment — not just in building the turbines themselves but right across the supply chain and right across Britain."

BUILT IN THE UK

The R&D facility on the Isle of Wight was opened in 2011 and was specifically designed to develop large blades for the latest wind turbines. The facility consists of two halls 170m long and 50m wide, one for testing and verification, and one for blade production, which will be leased by MHI Vestas Offshore Wind.

“The Isle of Wight is a world class R&D centre for developing and testing blades. The blades for the V164-8.0 MW prototype were designed, manufactured and tested at the Isle of Wight facility so we have developed the unique skills and processes necessary to manufacture blades which makes it a good location to have the capacity to ramp up to serial manufacturing,” Tommerup said.



Vestas will continue to conduct research and development of blade technology on the Isle of Wight, including the testing and verification of the V164-8.0 MW which is being finalised by Vestas on behalf of MHI Vestas Offshore

Wind. The lease of the production hall will have no impact on Vestas employees working in R&D on the site. ✎

— Source: MHI Vestas Offshore Wind

SIEMENS AWARDED TURBINE SUPPLY CONTRACTS TOTALING 315 MW FOR TWO WIND PROJECTS IN CANADA

Blades for the turbines will be manufactured at the OEM's plant in Ontario

Siemens' Wind Power and Renewables Division has received two new orders for onshore wind projects in Ontario, Canada. The contracts include the supply, installation and commissioning of a total of 137 wind turbines rated at 2.3 MW. Of those, Siemens will supply 91 units of its SWT-2.3-101 turbines to Samsung Renewable Energy Inc.'s and Pattern Energy Group LP's (Pattern Development) 180-MW Armow Wind project. The G2 geared turbines are equipped with 101-meter rotors. Suncor Energy Inc. ordered 46 D3 direct drive wind turbines for the 100-MW Cedar Point II wind project. The SWT-2.3-113 turbines have a rotor diameter of 113 meters.

Together, both wind power projects will generate clean power for more than 100,000 Ontario homes. All 411 blades will be manufactured at the Siemens blade facility in Tillsonburg, Ontario. The Armow Wind project will feature 273 blades with a length of 49 meters while Cedar Point II will use 138 blades of 55 meters each. The towers for the projects will be manufactured in a local facility using steel made in Canada. Construction of the Armow project is now underway with commercial operation expected by the end of 2015. The Armow Wind project will be located close to the shore of Lake



Siemens Press Picture - Siemens has been chosen to supply 137 turbines for two wind farm projects in Canada.

Huron, more than 220 kilometers northwest of the city of Toronto in the province of Ontario, Canada. The wind turbines for Cedar Point II will be installed in Sarnia, Ontario, approximately 100 kilometers north of the U.S. city of Detroit. The project is scheduled to start commercial operation in late 2015.

— Source: Siemens