Siemens to supply wind turbines to first Finnish offshore wind farm

- Tahkoluoto offshore wind farm with a capacity of 40 megawatts
- 10 Siemens wind turbines and service
- Project to demonstrate offshore feasibility in the Northern Baltic Sea region

Siemens has been awarded its first commercial offshore wind order from Finland: the company will supply, install and commission 10 wind turbines, each with a capacity of 4 megawatts and a rotor diameter of 130 meters, for the Tahkoluoto offshore wind farm in the Baltic Sea. The customer is Suomen Hyötytuuli Oy, a wind power producer owned by eight Finnish utilities, headquartered in Pori. Installation of the wind turbines is scheduled to begin in the summer of 2017, with the start of operations expected by autumn 2017. With a capacity of 40 megawatts, and an annual net power production of over 155 Gigawatt hours, the offshore wind power plant will generate enough power to supply 8,600 electrically heated Finnish single-family houses with clean energy. Siemens will also be responsible for servicing the wind turbines.

"This order marks a significant milestone for Siemens. The project is not only the first offshore wind farm in Finland, but will also be used by the Finnish government to demonstrate that offshore wind power is a feasible solution for this area," said Michael Hannibal, CEO Offshore of the Siemens Wind Power and Renewables Division. "This project is attracting a great deal of attention throughout the entire Baltic region, and will open doors for Siemens in the emerging offshore markets in this region."

Tahkoluoto offshore wind farm is located approx. 0.5 to 3 kilometers from shore in water from 8 to 15 meters deep. The wind turbines will be mounted on specially...
designed, gravity-based steel foundations in order to withstand heavy ice loading. The government of Finland is also contributing EUR 20 million toward the demonstration project in icing conditions.

“The conditions for offshore wind power are excellent in Finland. We have a long coastline, windy conditions, shallow waters, and a hard seafloor,” says Toni Sulameri, the Managing Director of Suomen Hyötytuuli Oy.

In 2010, Siemens already supplied one wind turbine with a capacity of 2.3 megawatts to Suomen Hyötytuuli Oy for the Pori pilot project, located 1.2 km off the Finnish coast. This pilot turbine will be surrounded by the 10 wind turbines of the Tahkoluoto wind farm. Siemens has to date installed more than 5.8 gigawatts of offshore wind power capacity worldwide, with two gigawatts commissioned in the last fiscal year alone.

Proven technology for an emerging offshore market:
Ten Siemens SWT-4.0-130 wind turbines will supply clean energy for approximately 8,600 electrically heated Finnish households.
Siemens AG

Press Release

This press release and a press picture are available at:
www.siemens.com/press/PR2016010144WPEN

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www.siemens.com/wind

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