



COS-140158

The development of **Hywind Scotland Pilot Park**

Demonstrate cost efficiency and low risk solutions for larger parks in the future

Facts

- Consist of five 6 MW floating WTG units (spacing 800-1600 m)
- Rotor diameter max 154m
- Water depth 95-120m
- Moored to the seabed with 3 anchors
- Offshore export cable route approx. 25 km
- Onshore cable route approx. 2 km
- Grid connection at Grange substation, Peterhead (33kV)



Background

The Hywind concept has been demonstrated and verified over 4 years of operation of the Hywind Demo prototype. This was the world's first full-scale floating wind turbine (2.3 MW), installed in Norway in 2009. The next step towards building large commercial parks is to up-scale and optimize the substructure design, and to test out the technology in a small park with several units. The pilot park will utilize a higher capacity turbine, with a more optimized substructure design. It will demonstrate that costs can be reduced significantly, and sufficiently to make the technology cost-effective in large scale parks in the future.

The project

The project entered into an Agreement for Lease with The Crown Estate, November 2013.

The project will require a Marine License for the activities in the pilot park and for the export cable, as well as a planning permission for the onshore activities. The consent applications supported by the Environmental Statement will be submitted to the authorities by early 2015.

The Project received the Scoping Opinion from Marine Scotland 17th of March 2014.

Grid connection offer from SEE received April 2014.

Timetable

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|----------------------------|-----------|
| Final Investment Decision: | 2015 |
| Onshore Construction: | 2015/2016 |
| Offshore Construction: | 2016/2017 |
| Final commissioning: | 2017 |

About Statoil

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