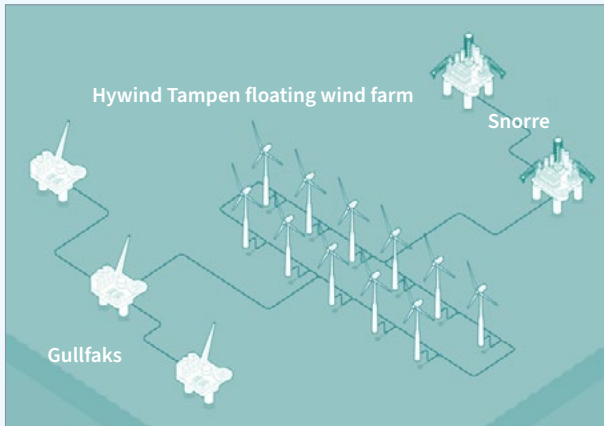


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## HYWIND TAMPEN: THE WORLD'S FIRST RENEWABLE WIND POWER FOR OFFSHORE OIL AND GAS

Hywind Tampen is an 88 MW floating wind power project



intended to provide electricity for the Snorre and Gullfaks offshore field operations in the Norwegian North Sea. It will be the world's first floating wind farm to power offshore oil and gas platforms.

It will also be the world's largest floating offshore wind farm and an essential step in industrializing solutions and reducing costs for future offshore wind power projects.

Hywind Tampen will be a test bed for further development of floating wind, exploring the use of new and larger turbines, installations methods, simplified moorings, concrete substructures and integration between gas and wind power generation systems.

The floating wind farm will consist of 11 wind turbines based on one of Equinor's floating offshore wind technologies, Hywind. The wind farm will have a combined capacity of 88 MW and is estimated to meet about 35% of the annual electricity power demand of the five Snorre A and B, and Gullfaks A, B and C platforms. In periods of higher wind speed this percentage will be significantly higher.

The wind power solution will help reduce the use of gas turbine power for the Snorre and Gullfaks offshore fields, while also offsetting 200,000 tons of CO<sub>2</sub> emissions and 1000 tons of NO<sub>x</sub> emissions per year.

The final investment decision (FID) was taken in October 2019 and key contracts for the NOK 5 bn project were awarded the same month.

### HYWIND TAMPEN FACTS

The Hywind Tampen project will contribute to further developing floating offshore wind technology and reducing the costs of future floating offshore wind farms, offering new industrial opportunities for Norway, the licences and Norwegian supplier industry in a growing global offshore wind market.

- Equinor together with its partners are developing the world's first floating offshore wind farm supplying renewable power to offshore oil and gas installations.
- Aiming at partially powering the Snorre and Gullfaks offshore oil and gas fields with floating wind.
- 11 units w/ combined capacity of 88 MW.
- Located approximately 140 km off the Norwegian coast.
- Water depth at the wind farm site ranges between 260 m and 300 m.
- Considerable CO<sub>2</sub> emissions reductions, estimated 200,000 tons per year.
- Mounted on floating concrete spar substructures with shared anchors supplied by Kvaerner.
- Equipped with 11 Siemens Gamesa SG 8.0-167 DD turbines.
- With a 167 m-diameter rotor and 81.5 m-long blades, each turbine of the wind farm will have a swept area of 21,900 m<sup>2</sup>.
- The wind turbines will be connected in a loop by a 2.5 km-long, 66 kV dynamic inter-array cable system.
- Enova has approved an application for funding of up to NOK 2.3 billion to support the Hywind Tampen project.
- Due to start up in the third quarter of 2022.