

Equinor's ambitions and perspectives on offshore wind in South Korea

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Abstract

The presentation will give insight into Equinor's offshore wind ambitions, and how our competence and experience can contribute positively to South Korea's ambition of strong growth within renewables.

Equinor is actively working to provide energy for people while reducing climate emissions and creating benefits for societies around the world. Our strategy is to create a material industrial position in new energy solutions and to become a global offshore wind player, both floating and bottom fixed. Our ambition is for low carbon solutions to make up 15-20% of our investments in towards 2030, which at current spending level corresponds to approximately 10 billion Euros

Since 2009, Equinor has developed and operates more than 1 GW of offshore wind projects. We have also proudly installed the first floating offshore wind farm in the world, Hywind Scotland. the farm consists of 5 floating wind turbines with a combined capacity of 30MW, providing energy to 20 000 UK homes. The next step towards the commercialization of floating offshore wind is the Hywind Tampen projects. Equinor has, together with its partners at Snorre and Gullfaks, decided to explore the possibility of supplying the Snorre and Gullfaks O&G fields with power from floating offshore wind. The Project will consist of 11 wind turbines of 8 MW capacity each, totaling 88MW.

The Korean Government has set a target of 20% renewable of its total power generation by 2030. According to the plan, offshore wind will increase to 12 GW by 2030. The city state Ulsan has initiated the promotion of a floating wind farm of more than 1 GW capacity.

Equinor has a decades long track record of successful collaborations with South Korea's world-class supply chain, and we believe that this can be replicated in floating offshore wind. Combining Equinor's unrivaled experience and competence in the sector with the ability of the South Korean industry to deliver on cost and at scale, we can deliver clean, reliable and cost competitive energy and positively contribute to South Korea's ambition. The first steps for Equinor are offshore floating wind outside Ulsan City; ~ 200 MW offshore floating wind farm at the Donghae gas platform together with KNOC and EWP and additional ~ 800 MW offshore floating wind parks in the same area. Next step will be to scale up with other developments, both bottom fixed and floating, in other areas in South Korea.

Keywords: Floating Offshore Wind

Biography

Bringsværd is Heading up Floating Wind Development in New Energy Solutions in Equinor. Bringsværd is responsible for commercialization, deployment and industrialisation of Floating Wind in existing and new markets. Bringsværd has been holding different positions within the Equinor/ Statoil group; as, Project Manager for Batwind projects (storage), Head of Innovation Network, as well as serving two years as the Office Manager for Statoil Iran, including various business development positions with