



Statoil


Neste steg for Hywind

Arne Eik, Kommersiell leder Hywind

Tekna Klima-seminar om havvind 21.mars 2018


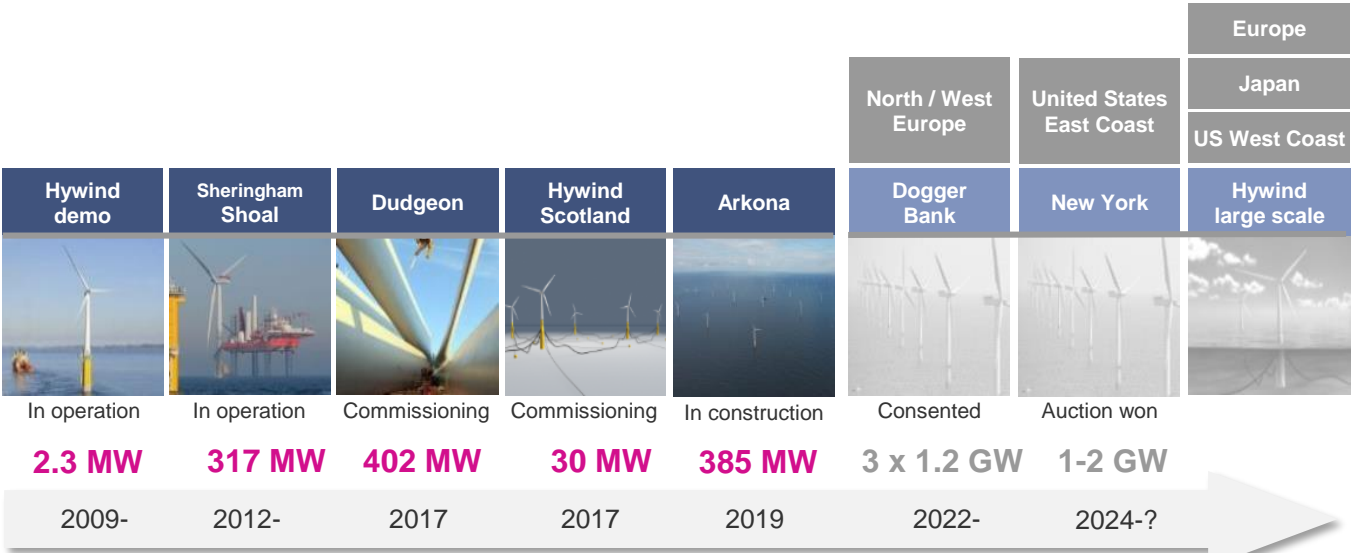
Providing offshore wind to >1M homes

Playing to Statoil's strengths



- Global energy company and world's largest offshore operator
- Managing complex projects
- Financial strength
- Leading floating technology
- Operations & maintenance and HSE capability

Attractive and growing market

* All capacity figures on 100% basis



Vast potential for floating wind

First wave
floating wind
opportunities



- Virtually unlimited resources
- Standardised foundations
- Site flexibility
- Environmental benefits



Hywind – the leading solution for floating offshore wind

From idea to commercial deployment

- Using proven technology from O&G and bottom-fixed offshore wind
- Robust technology, suitable for harsh conditions and high wind speeds
- Demonstration over longer period with extensive data collection and analysis



2001
An idea



2009
The demo



2017
Wind park



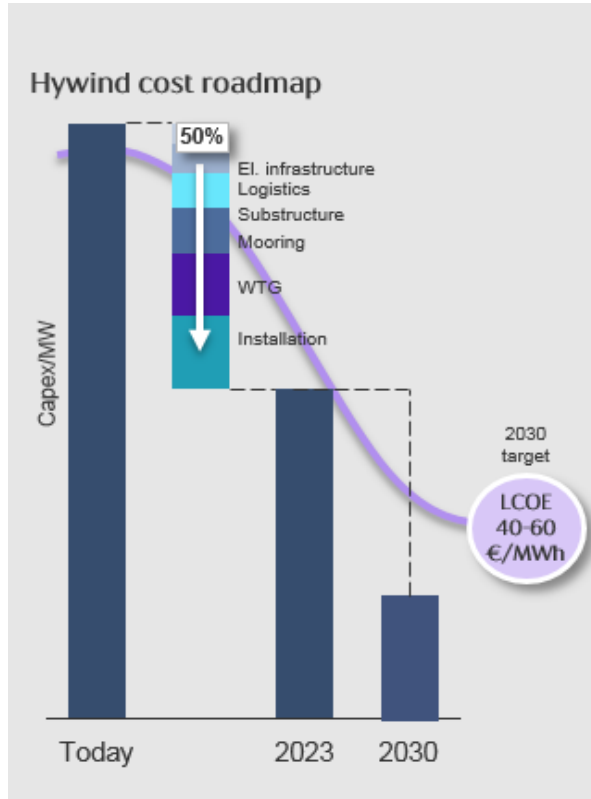
Mid 2020s
Large parks

Video

Taking the next step – Cost reduction

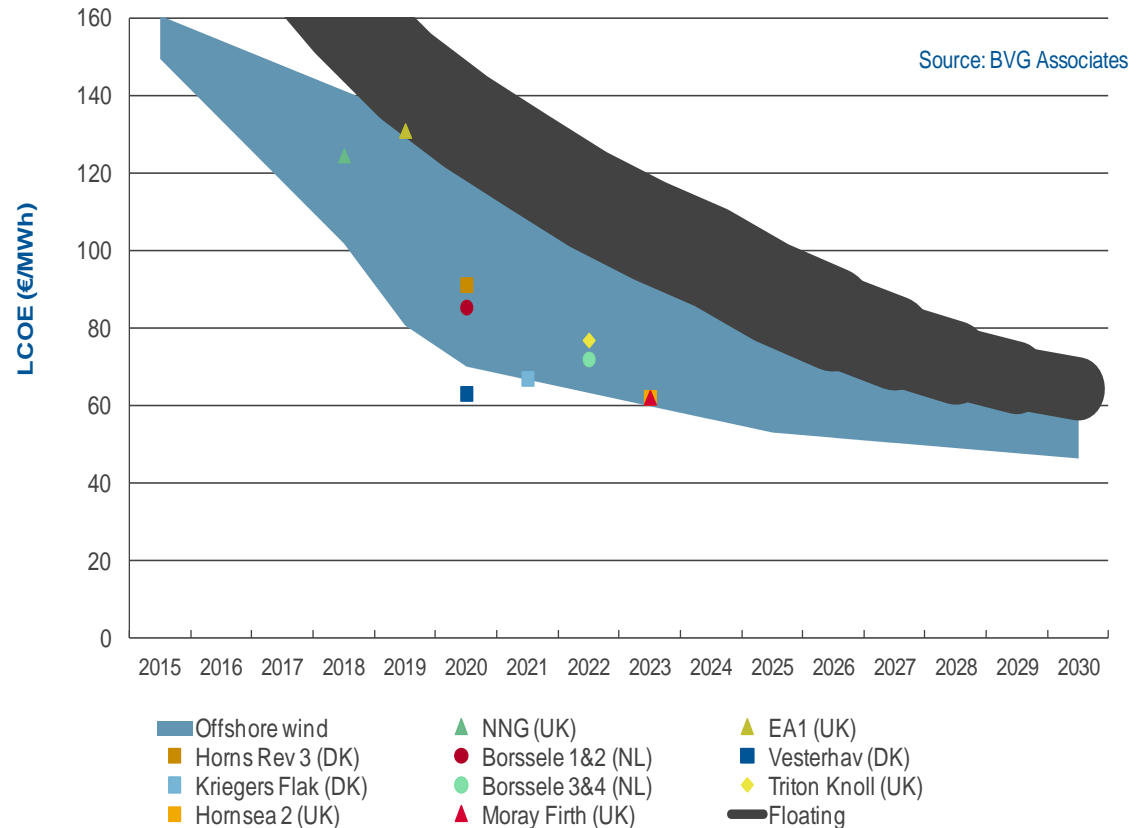
Statoil's cost roadmap for Hywind

Capex/MW and 2030 LCOE target



BVG Associates LCOE trajectory for floating vs bottom fixed offshore wind

Levelled cost of energy (LCOE)



Source: Statoil (left), BVG Associates (right)

Taking the next step – Supply chain and deployment

- Close cooperation between regulators, technology developers and suppliers to mobilise industry
- Investments required to set up streamlined fabrication lines
- Need predictable frame conditions and project pipeline
- Need gradual increase in project size and volume to avoid bottlenecks



Statoil. The Power of Possible



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