

Statoil's journey in offshore wind Hanne Wigum-Manager R&D Renewable Technology- Statoil EERA DeepWind'18



Shaping the future of energy

Competitive at all times

Transforming the oil and gas industry

Providing energy for a low carbon future



Energy transition is a journey...

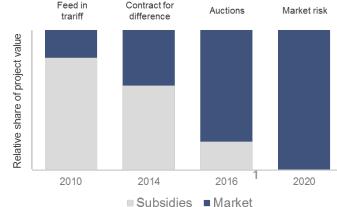
TROLL 1995

SNØHVIT 2007

VIDEO

Sharpened strategy: Building a profitable new energy business



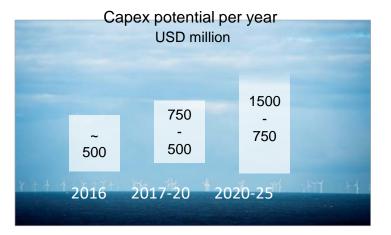




- Leverage core competence
- Scale & technology reduce costs
- Access to long-term projects

VALUE DRIVEN

- From subsidies to markets
- Cash flow resilience



GROWTH OPPORTUNITIES

- 15-20% of capex in 2030
- Offshore wind and other options
- Low-carbon solutions

Rapid expansion within offshore wind

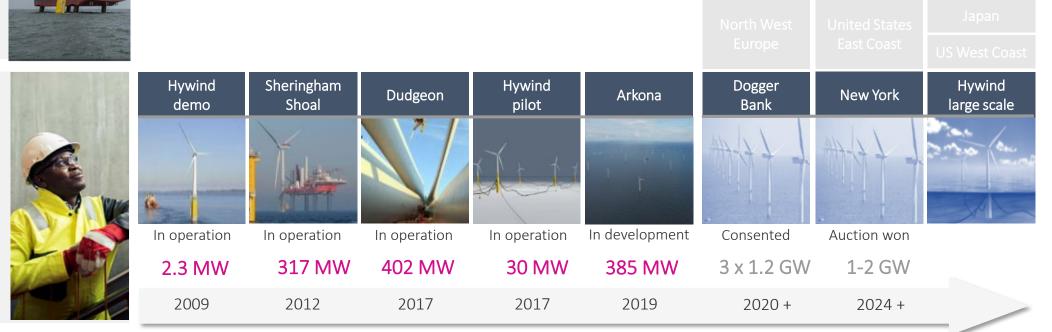


Attractive

market

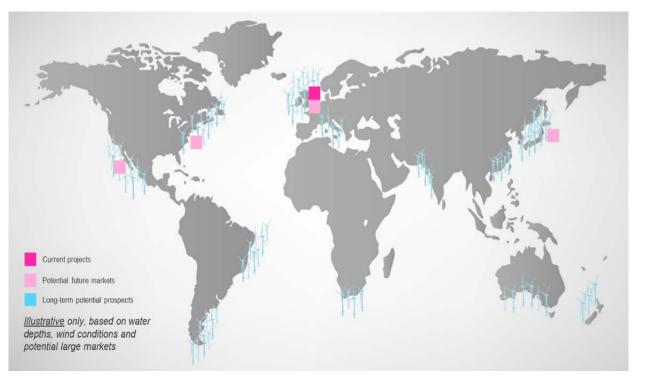


Current projects in progress of providing renewable energy to over 1M European households



5

Vast potential for floating offshore wind



Size of the prize

Expected LCOE 40 - 60 €/MWH by 2030

The big four US West Coast Japan France Scotland/Ireland

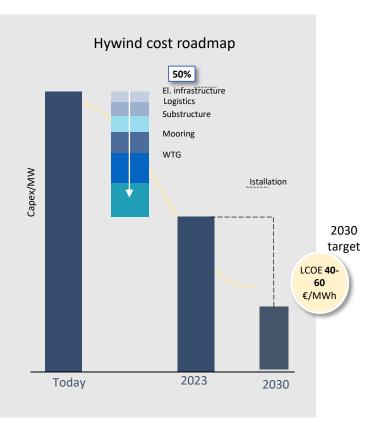








Next step for Hywind - lead floating wind to industrial scale



Cost

Deployment

Scalability critical for market success

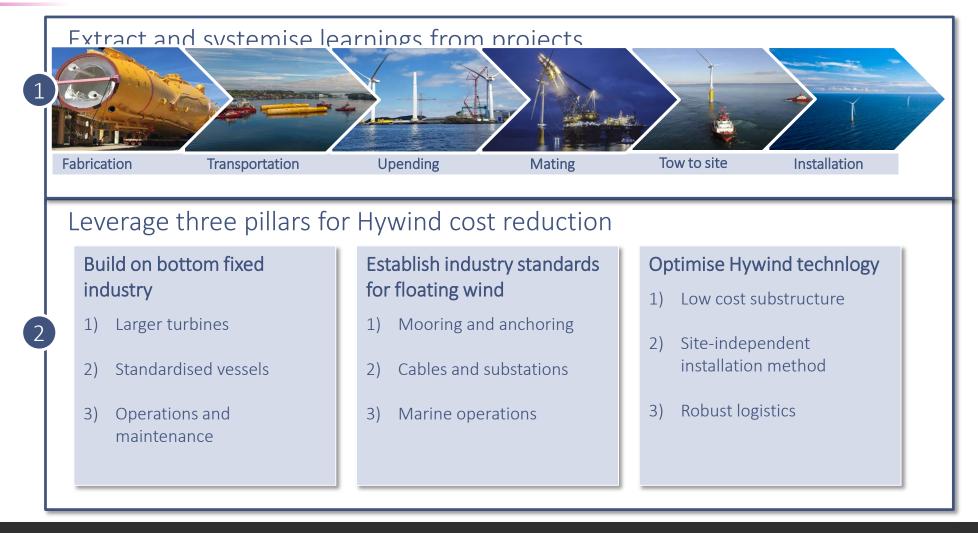


Concept development

Technology development focused on:

Site selection and park layout Design for scale and weight Proprietary motion controller Installation and maintenance

Hywind Factory - a systematic approach to Hywind industrialisation





Targeted technology development to support a growing business





What colour do you dream in?



22 21 × 0 60 81 012 21 × 71 ×