





Competitive at all times

Transforming the oil and gas industry

Providing energy for a low carbon future



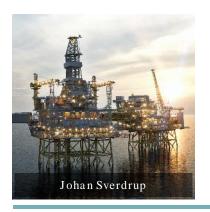








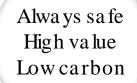
New Energy Solutions at the core of Equinor's strategy



Norwegian continental shelf

Build on unique position

- Highly cost competitive
- Attractive project pipeline
- Exploration potential



International oil & gas

Deepen core areas

- Enhance Brazil portfolio
- Flexible US position
- New growth options





Midstream and marketing

Access premium markets

- Flow a ssurance
- Asset backed trading
- Capital light

New energy solutions

Industrial approach

- · Offshore wind
- Low-carbon solutions
- Ventures, R&D



3 | New Energy Solutions



Building a profitable offshore wind portfolio

Hywind demo In production

2.3 _{MW}

Hywind Scotland
In production

30 MV

Batwind In development

 $\frac{1}{1}$ MW

Floati













Bottom fixed

Shering ham Shoal In production

316 MW

Dudge on In production

 $402 \, \text{MW}$

Arkona In development

385 MW

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Expanding within offshore wind¹

Floating wind to oil and gas installations
Norway

00 _M

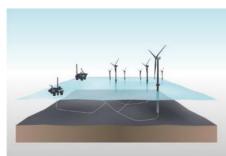
Expanding global position

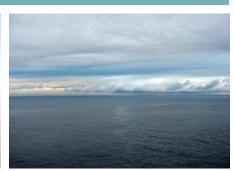
UK/Ireland, France, US West Coast, Japan











Bottom fixed

Doggerbank _{UK}

3.6 gw

Empire Wind USA

 $1 - 2_{\rm GW}$

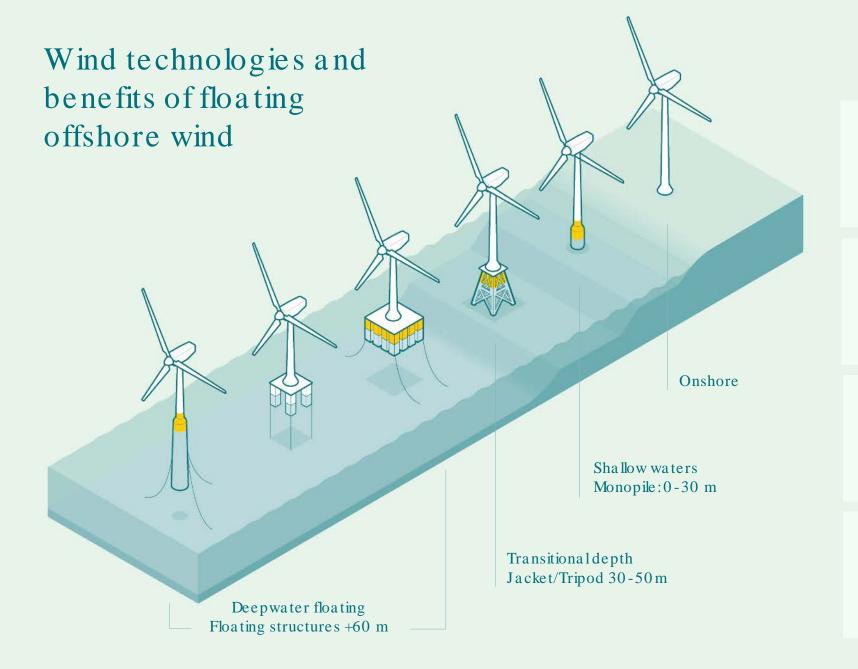
Baltyk II & III Poland

 $1.2_{\rm GW}$

1. Figures: Installed capacity, 100% basis.

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Resources

Deeper, farther from shore Site flexibility Space availability

Jobs

Domestic and export industrial opportunities
Regional developments
Build on O&G

Economics

High capacity factor Higher scalability? Standardisation potential

New applications

Electricity to population centers Power industry and O&G Recycle marine spaces

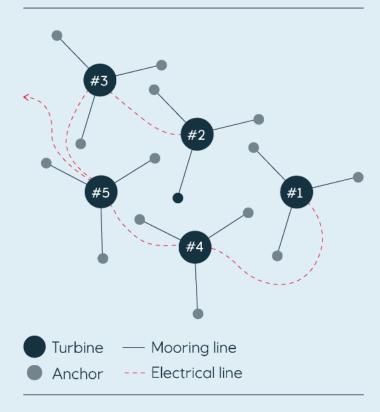


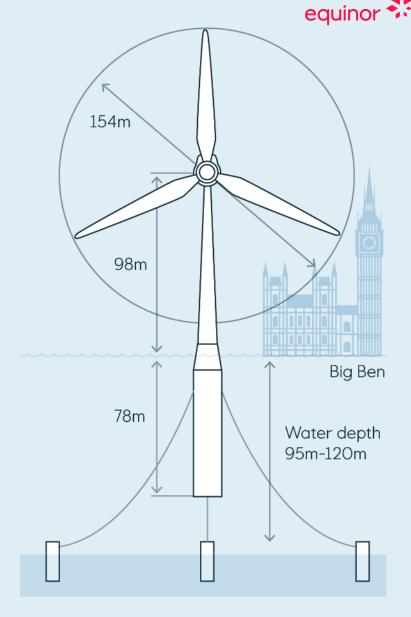
Hywind Scotland

25km cable to shore Peterhead Peterhead Scotland Edinburgh

 $\label{eq:model} \begin{array}{c} \text{Installed capacity of park} \\ 30\,MW \\ \text{Which is enough to power} \end{array}$

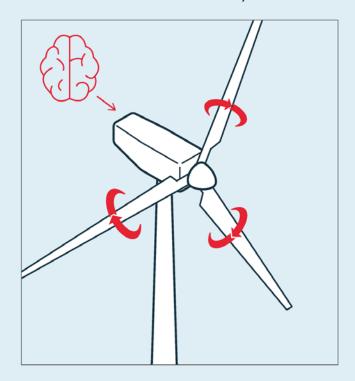
20 000 homes

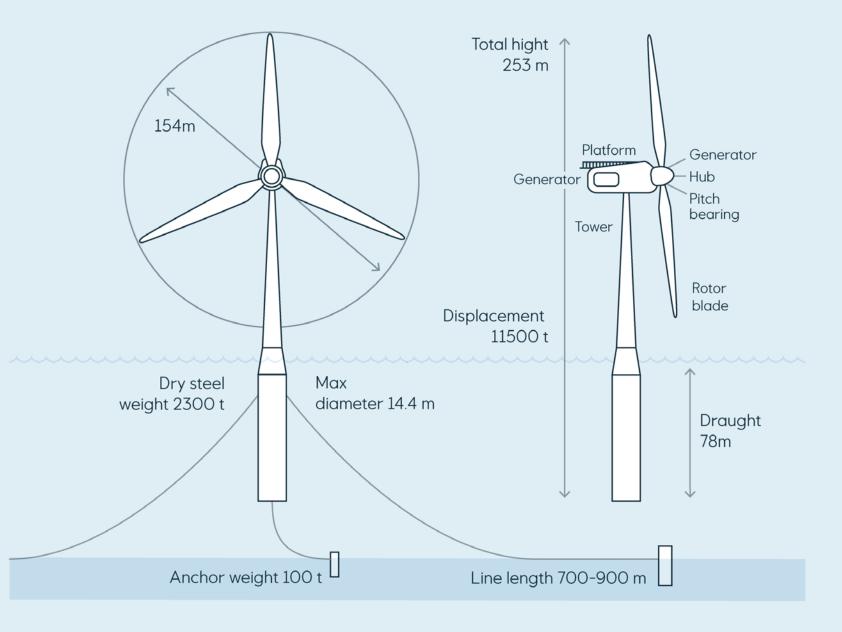




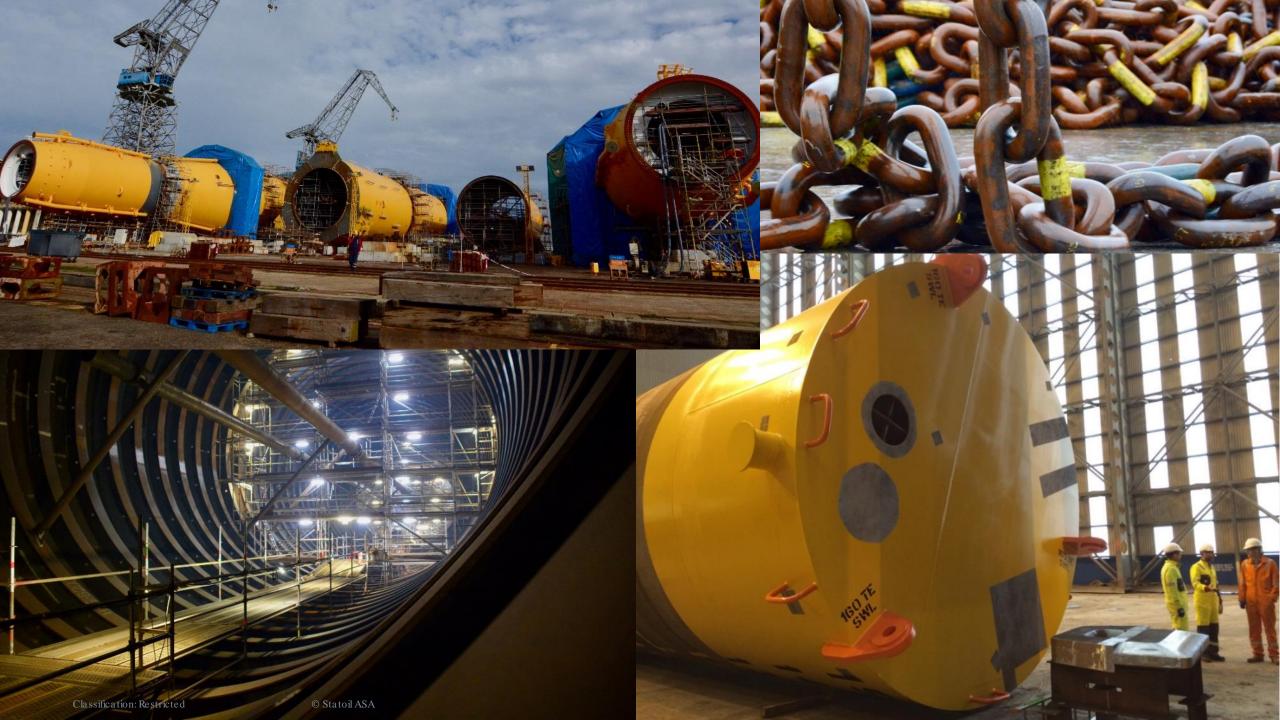
Hywind concept / Hywind in numbers

Floater motion control system





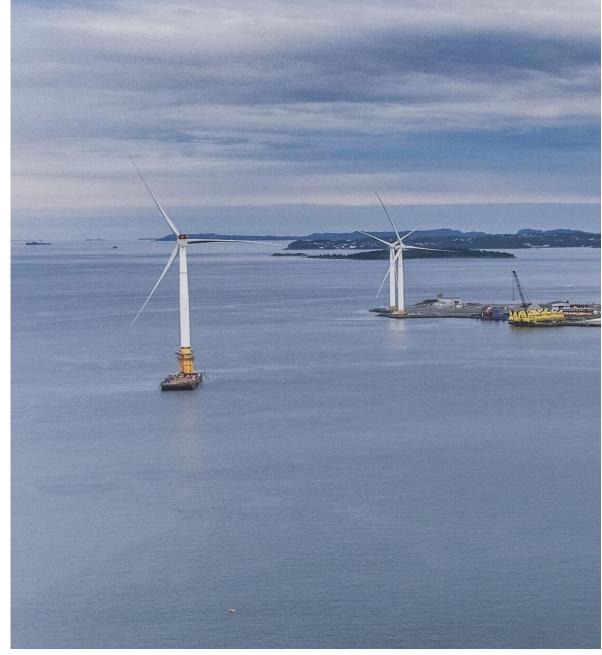












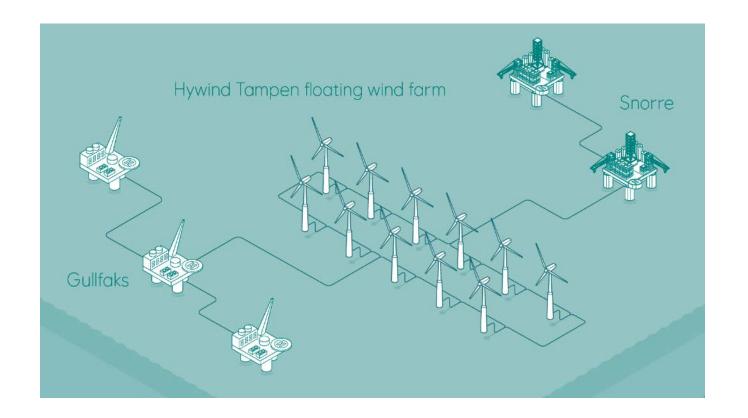








Hywind Tampen – offshore wind farm in the North Sea

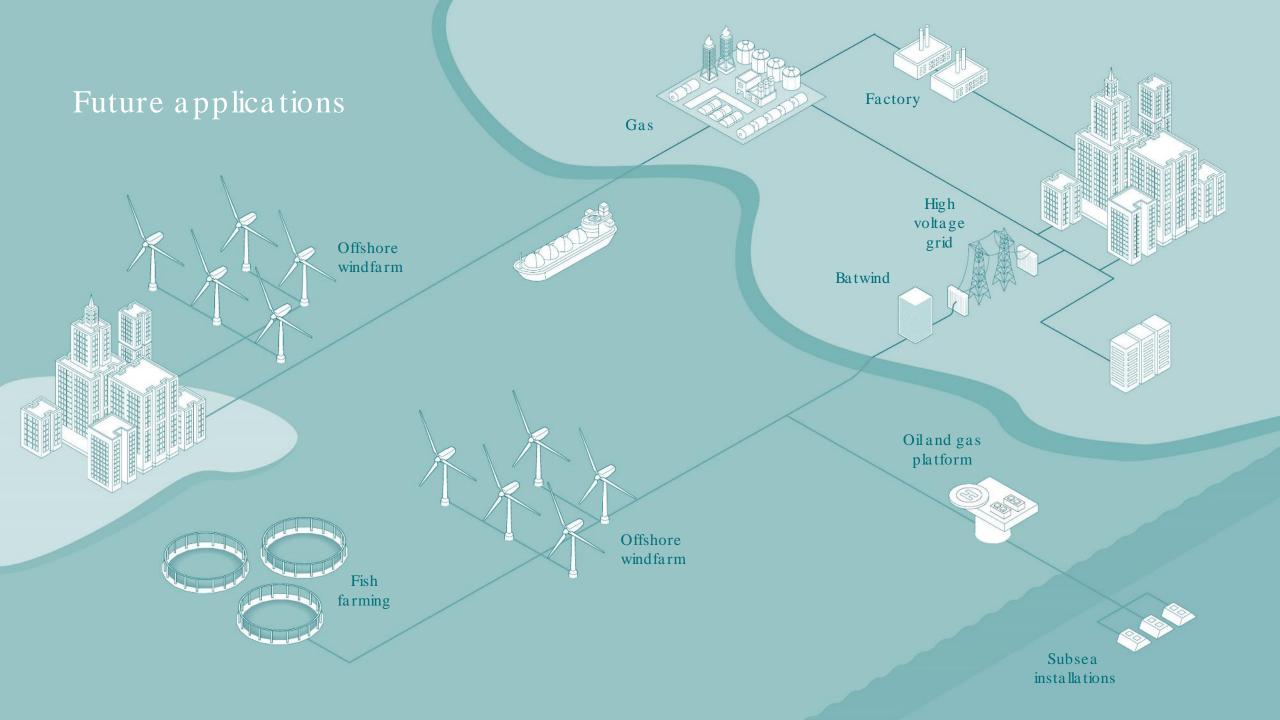


11 wind turbines between Snorre and Gullfaks

Combined capacity of 88MW

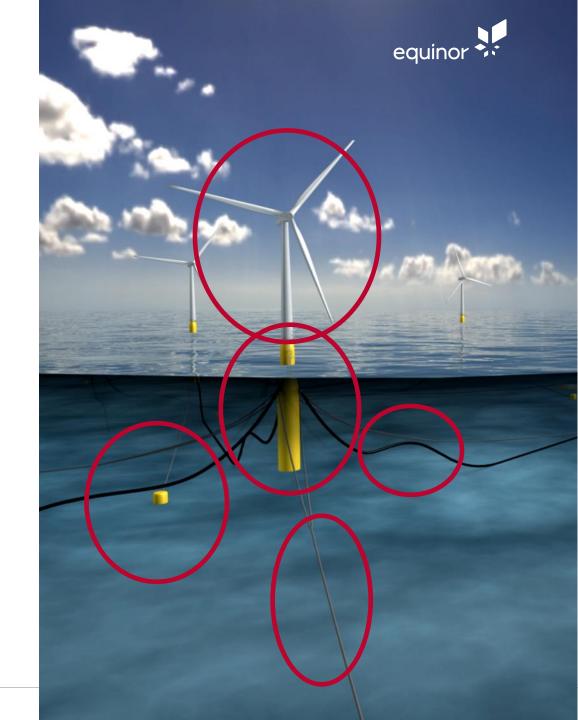
Concrete substructures and shared anchors

Considerable CO2 emission reductions



Recap - Any challenges?

- Market Need to match cost level of other energy generation technologies
 - Project pipeline
 - Larger projects
- Technical Improve and develop all parts of the industry to improve competitiveness of floating offshore wind
 - Wind Turbine Generator
 - Substructure
 - Mooring system
 - Anchors
 - Dynamic cables and export system





Floating Offshore Wind Centre of Excellence

- Promote floating offshore wind
- Engage with supply chain
- Capture and disseminate experience from ongoing projects
- Establish a point of contact for research and development activities

