# **Floating Wind Solutions**

# Going from Technology to Commercialization

Leif Delp Head of Floating Offshore Wind Technology Equinor ASA

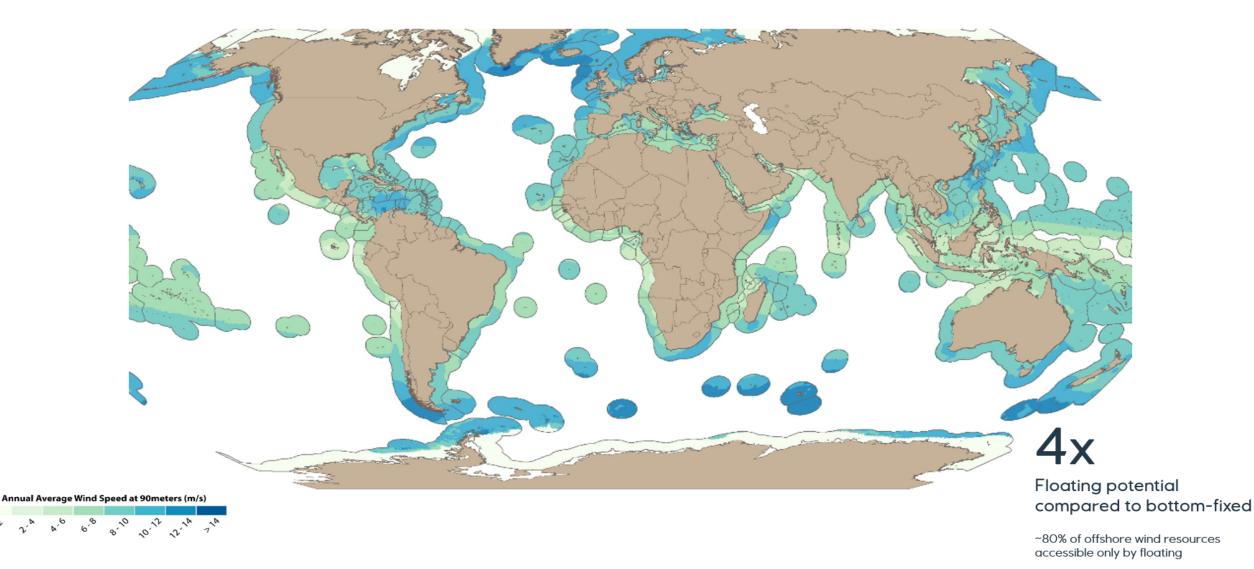




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## Why offshore wind? And why floating offshore wind?

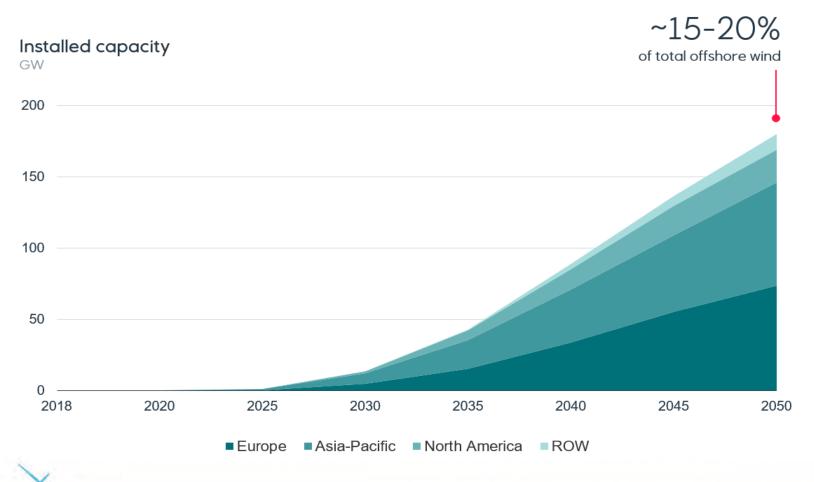




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# Floating wind global outlook

180 GW by 2050, with significant growth from 2030



## Key growth markets



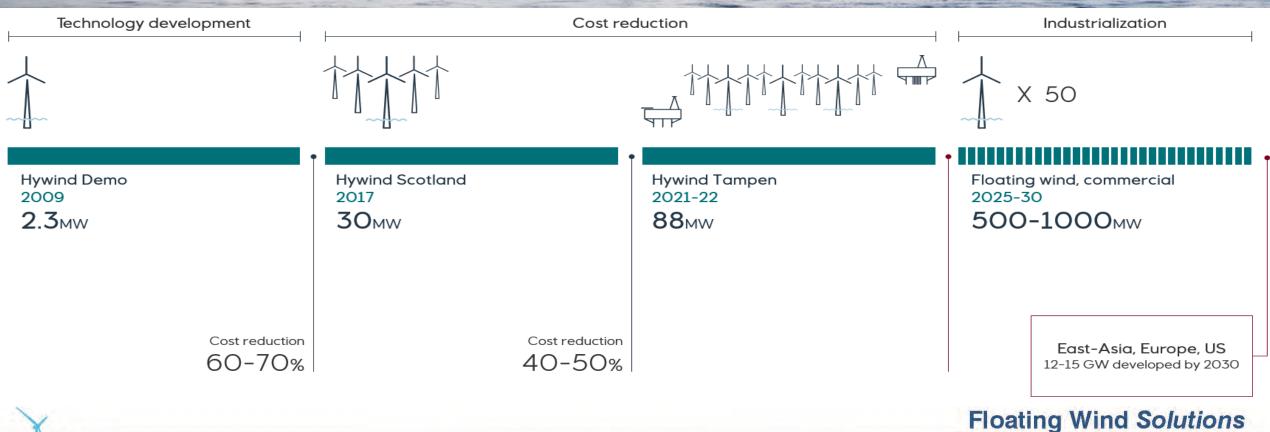
- Targeting the «big four» regions
- Equinor is a technology agnostic developer
- Floater solutions and design will vary depending on local conditions
- Innovative applications

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# Global leader in floating offshore wind

Uniquely positioned to capture opportunities





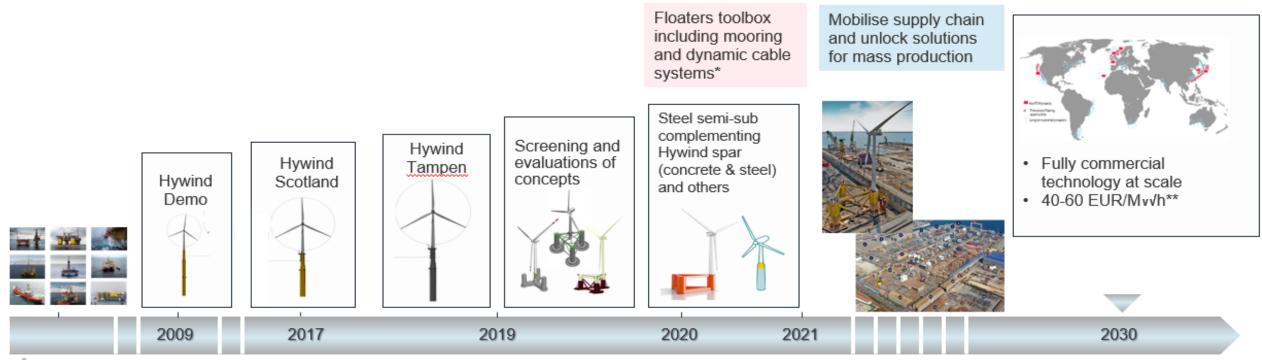
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## World leader within floating offshore wind Roadmap

World class technology and concepts

# ... to world leading floating wind developer



# From offshore O&G leader ...

**FWS** 

\*Including also WTG controllers, export solutions, Marine operations and O&M \*Market, supply chain and local requirements will influence technology choices and LCOE

# Floating Offshore Wind - Costs are declining, and will continue to do so

# **Cost reduction drivers:**

- Project execution experience
- Scale effects
  - Larger turbines
  - Larger projects
- Competitive supply chain
  - Efficient and standardised operations
  - Mass fabrication of substructures
- Incremental & disruptive innovation
  - Optimised substructures
  - Innovative mooring solutions
  - Optimized dynamic cable solutions
  - New floating concepts







### Industrialization of floating offshore wind - what will it take?

Collaboration between authorities, developers, suppliers, other interests , NGO's, Universities / R&D

Well designed framework conditions	Scale	Competitive supplier industry
Large scale project execution <ul> <li>experience</li> </ul>	Industrialized floating wind concepts and technologies	Digitalization / Machine learning





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