



equinor

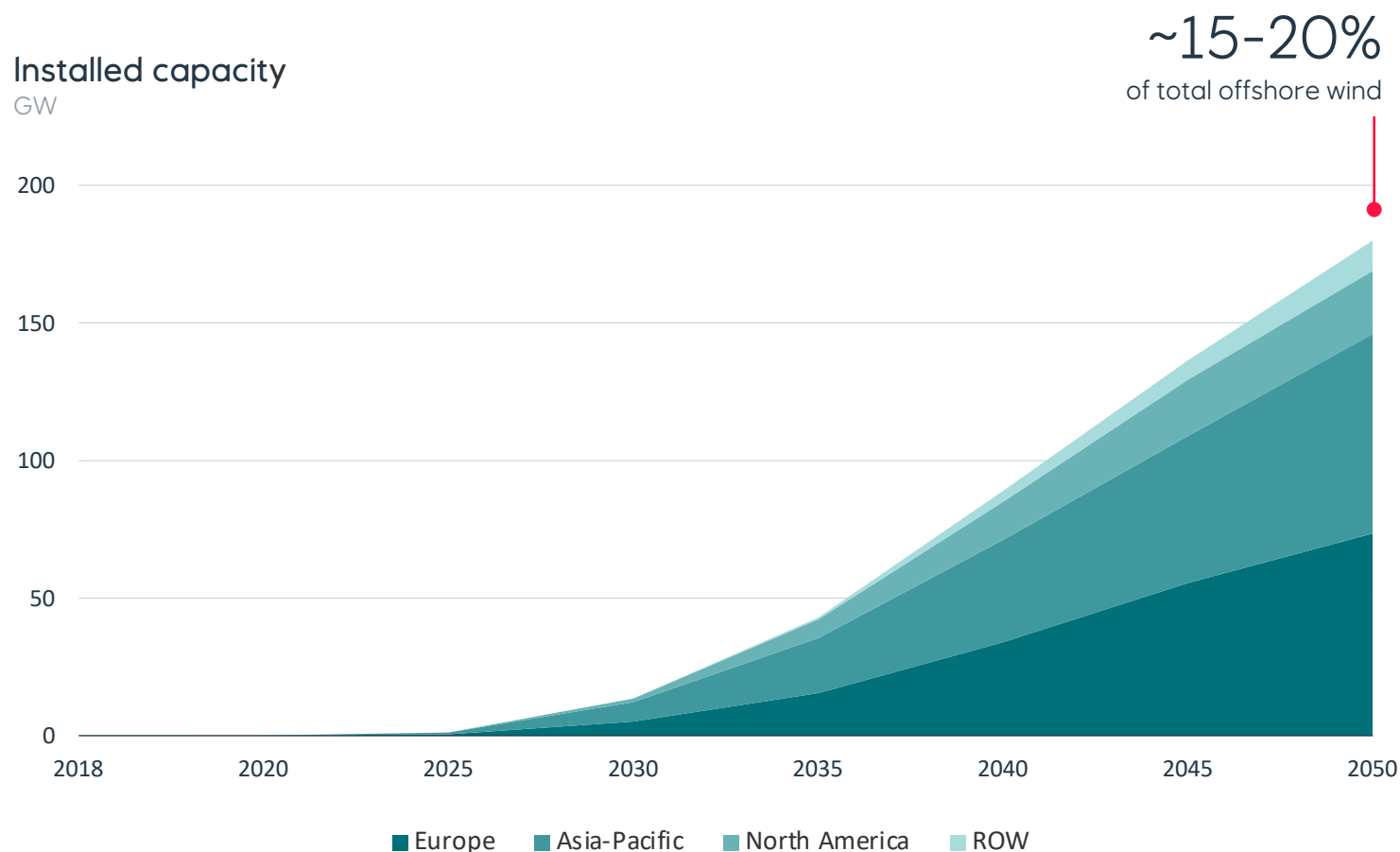
# Floating wind in Equinor

Natural Gas World, March 9 2021

Jon Barratt Nysæther, Leading Business Developer  
Equinor Floating Wind

# Floating wind global outlook

180 GW by 2050, with significant growth from 2030



## Key growth markets

### EUROPE:

UK, Norway, France, Ireland, Spain, Portugal, Italy, Greece, Turkey

### ASIA-PACIFIC:

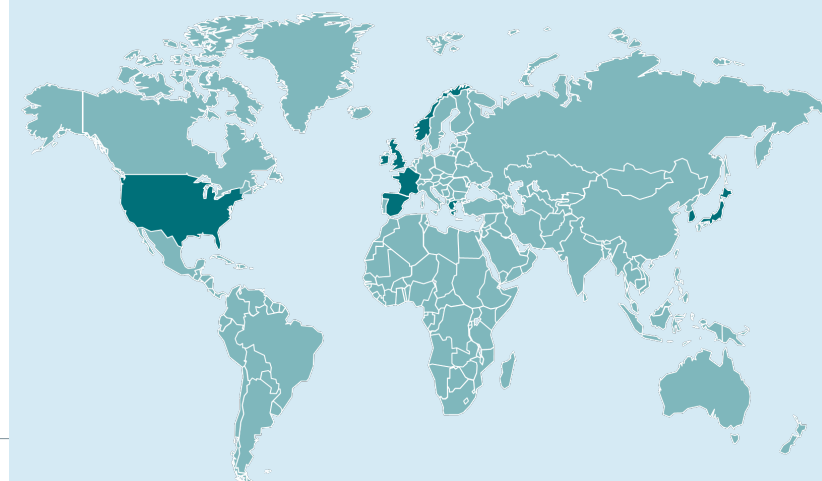
Japan, South Korea, China, Taiwan, Vietnam, Indonesia, Philippines, India

### NORTH AMERICA:

USA: California, Oregon, Maine, Gulf of Mexico

### REST OF WORLD:

Brazil, South Africa, Morocco, Saudi Arabia

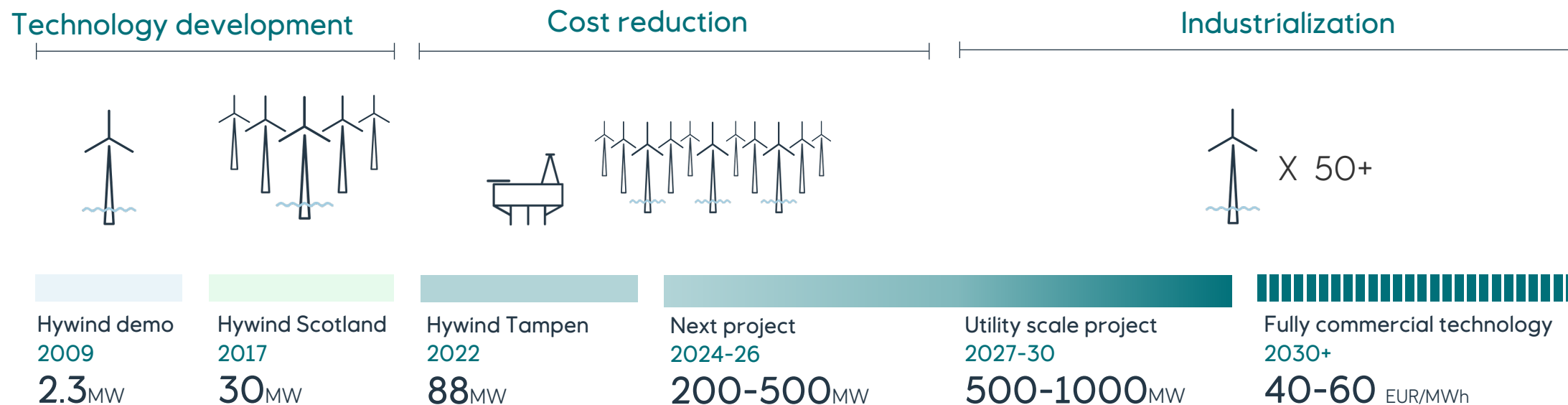


# A world leader in floating wind with a growing pipeline

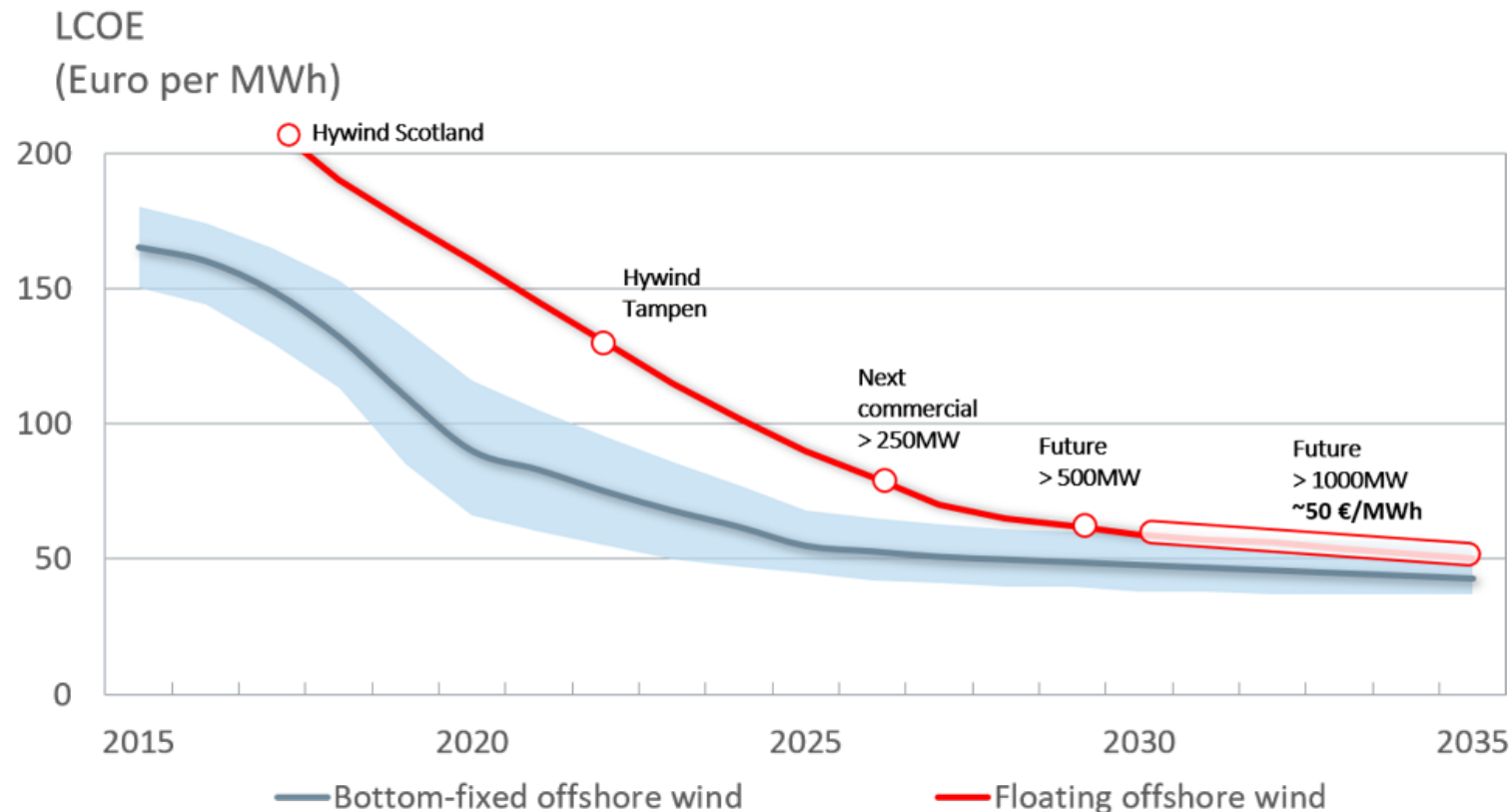


In operation or construction			In the pipeline		
Hywind demo <b>2.3</b> MW	Hywind Scotland <b>30</b> MW	Hywind Tampen <b>88</b> MW	Donghae, South Korea <b>200</b> MW	Firefly, South Korea <b>800</b> MW	Positioning for growth 12GW potential by 2030

# Floating wind is becoming a competitive source of energy



# Costs of floating offshore wind are coming rapidly down



## Cost reduction drivers:

- **Project 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
  - New materials
  - New floating concepts

# The world is getting serious about floating offshore wind

WindEurope CEO Giles Dickson, FOWT 2020, Marseille:

## Floating offshore wind is no longer a niche technology

- Floating wind has matured and performed significant cost reductions over the past years.
- Costs for floating offshore wind could decrease to 40- 60 €/MWh by 2030
- The period of demonstration projects is over. Floating wind is ready to scale.
- 7 GW of floating offshore wind can be installed in Europe by 2030.
- 150 GW can be installed by 2050

	2030 targets, estimates and ambitions for floating wind
UK	1 GW
France	3 GW
Spain	2-3 GW*
Norway	500 MW
Ireland	5 GW*
Korea	12 GW*
US (CA)	3 GW

\*combined bottom fixed and floating



equinor

## Floating Wind in Equinor

© Equinor ASA

This presentation, including the contents and arrangement of the contents of each individual page, or the collection of the pages, is owned by Equinor. Copyright to all material including, but not limited to, written material, photographs, drawings, figures, tables and data remains the property of Equinor. All rights reserved. Any other use, reproduction, translation, adaptation or arrangement, alteration, distribution or storage of this presentation in whole or in part without the prior written permission of Equinor is prohibited. The information contained in this presentation may not be accurate, up to date or applicable to the circumstances of any particular case, despite our efforts. Equinor cannot accept any liability for any inaccuracies or omissions.