

30 GW Offshore Wind The Challenge

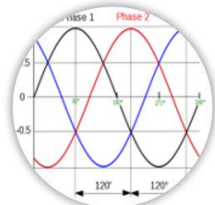
Håkon Borgen, Executive Vice President
Offshore Development, Statnett SF

Statnett



The Green Transition is now!

Reaching carbon neutrality even faster



- **10 x wind & solar faster**

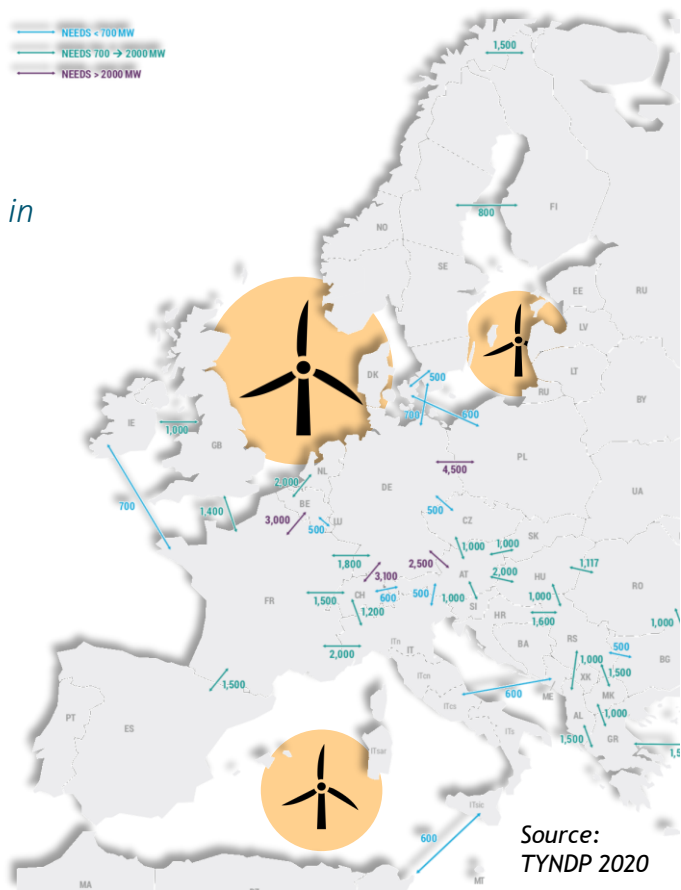
Zero target gives radical changes of the power system in Europe

- **10 x more flex**

Increased integration & cooperation between countries and sectors

- **Accelerated innovation is key**

*Fast deployment of mature innovative solutions
Long term : sustainability drives the innovation*



ONE sustainable and resilient power system

Norway

+30 GW

by 2040

Europe

~300 GW

by 2040

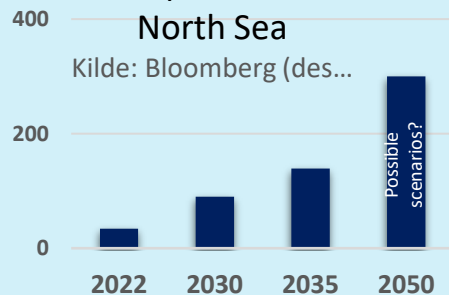


Total installed power production in Norway 2022 ≈ 38 GW

Long term planning to speed up offshore wind development

Offshore wind development in the North Sea

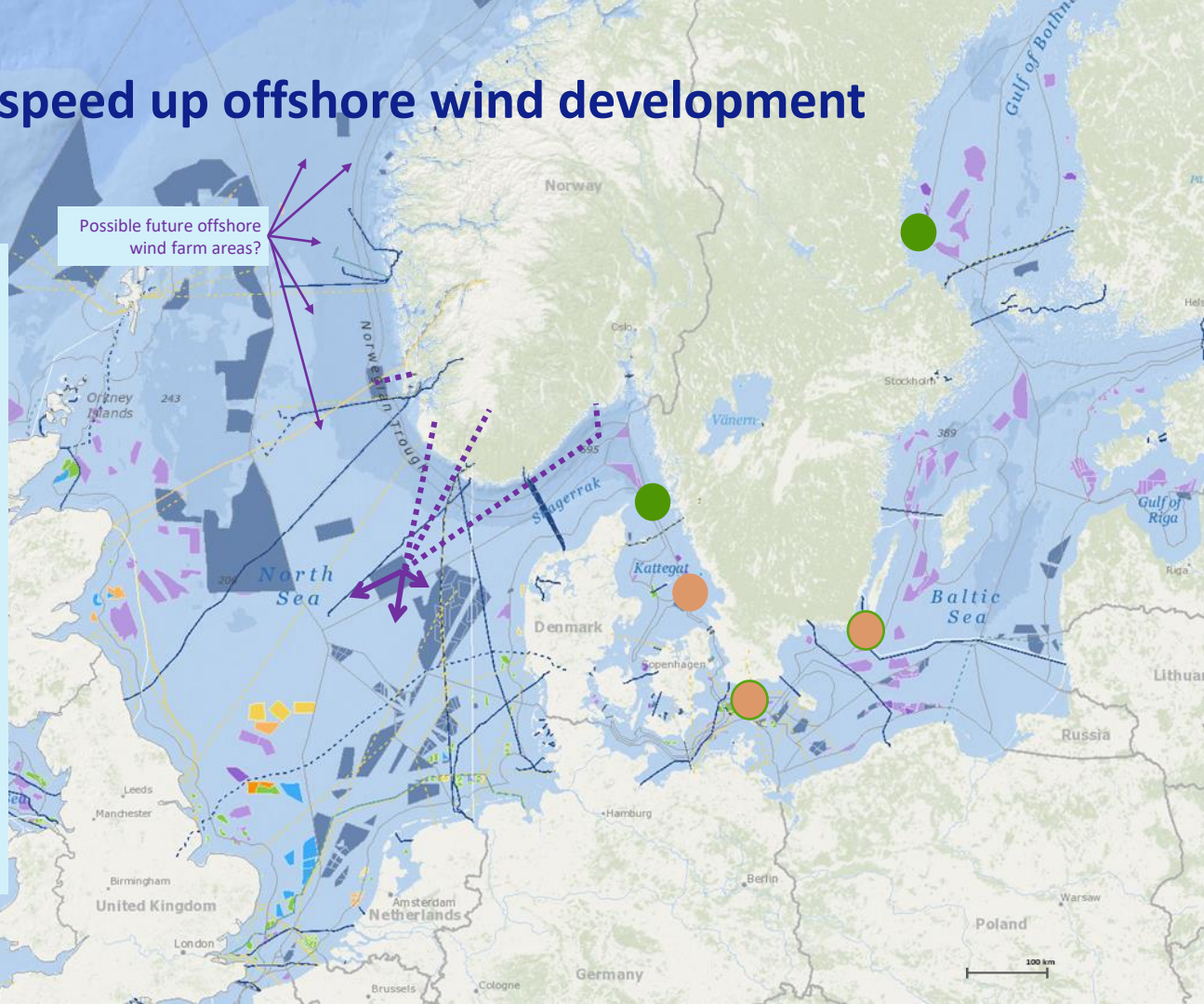
Kilde: Bloomberg (des...)



Possible future offshore wind farm areas?

Stepwise Development:

- Radial connections
- Hybrid connections
- Nearshore offshore wind (radial or meshed)
- Meshed offshore grid in the North Sea



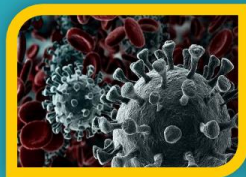
Increased collaboration in Europe

- The energy system is under transformation – at high speed

In 1 year



Fit for 55 package



Global pandemic



REPowerEU plan



Energy crisis



War in Ukraine



ENERGY INFRASTRUCTURE
AND INVESTMENTS

OPERATING
FUTURE GRIDS



Sustainability

Resilience

Affordability

ENERGY SYSTEM
FLEXIBILITY

MARKET DESIGN FOR
CARBON NEUTRALITY

A sustainable and resilient offshore grid



Collaboration & Innovation & Sustainability