

ET HAV AV

PROBLEMER

EU 2050 ambition

450 GW Offshore Wind within 2050.

Major showstoppers:

- Offshore Grid
- Onshore Grid

Regional cooperation on offshore grid development
Decarbonizing European energy system requires vision, concrete plans and investments in the wind and grid industries

Our priorities

- Political framework for offshore wind development
- Develop necessary grid infrastructure and integrate offshore wind power in the grid
- Electrify the industrial, transportation and heating sectors

Estimated offshore capacity by 2050

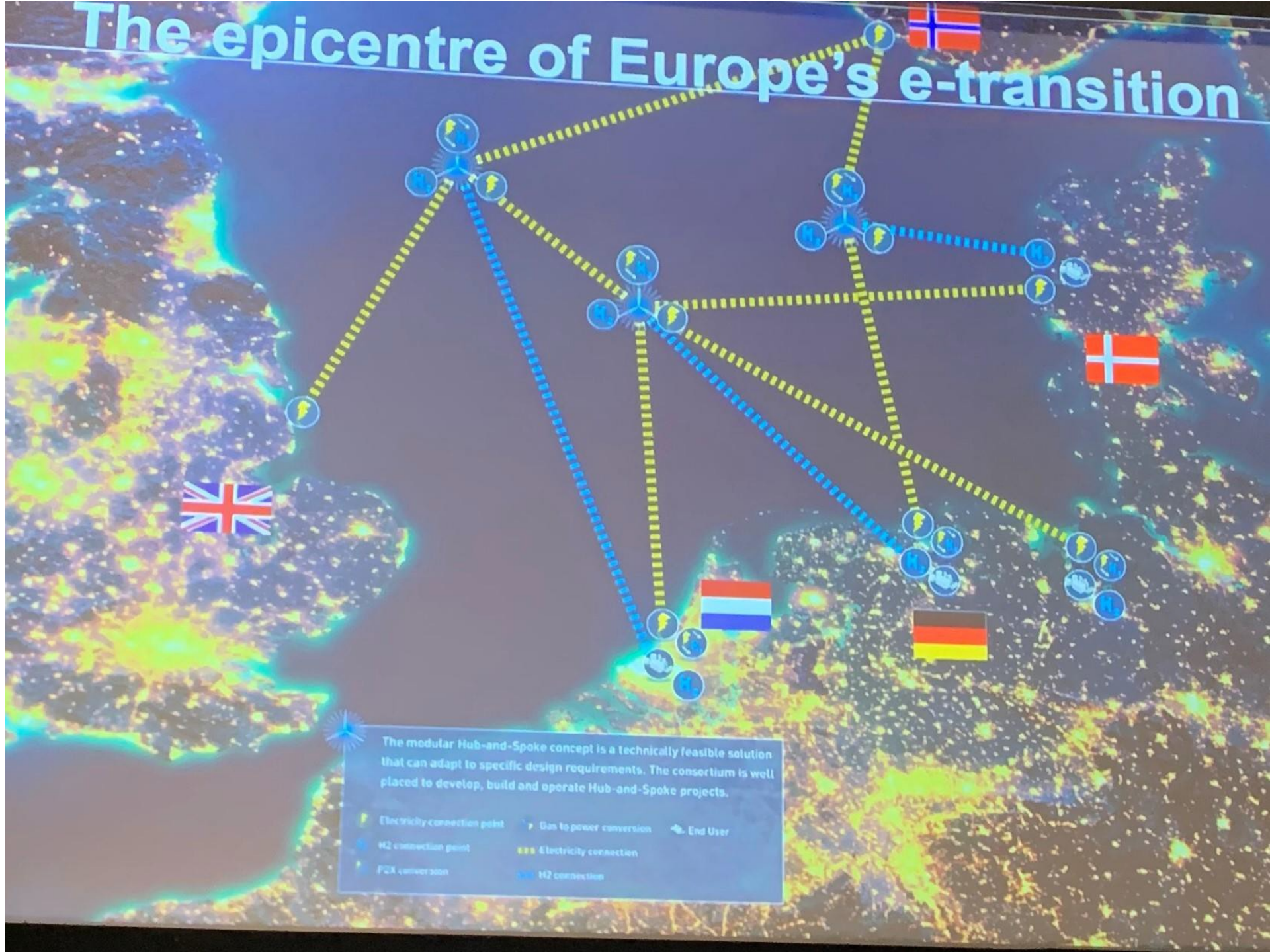
450 GW

Wind OFFSHORE EUROPE 2019 26 NOVEMBER

ABB

Panel discussion with six participants seated on a stage.

Policy
makers
+
Technology
=
Flexible
solution





Bergen

Sunnhordland

Haugalandet

Utsira Nord

MetCenter

Makani Power MetCenter 2019

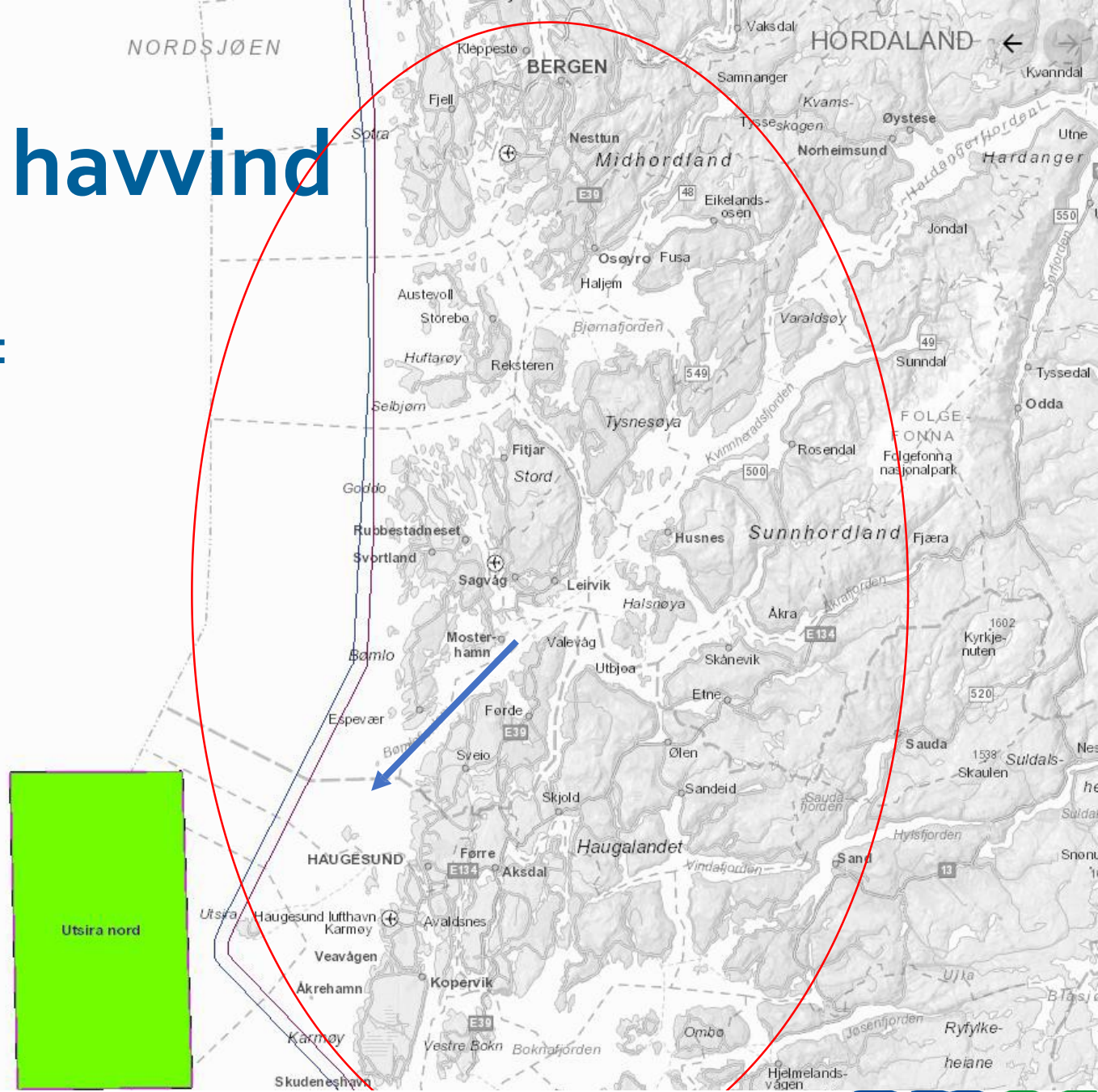


Marked for flytende havvind

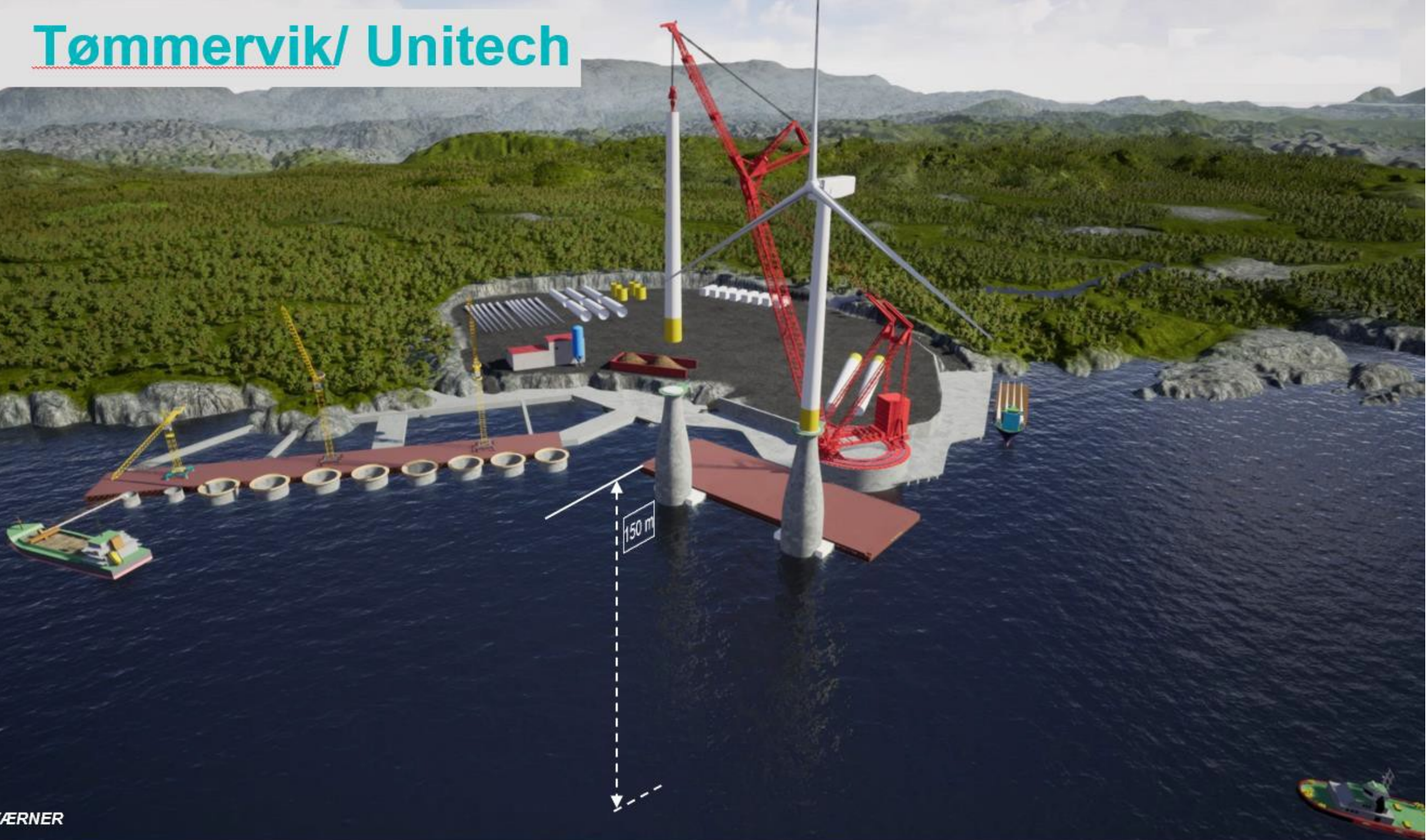
Antall flytende turbiner i 2030-35:

- MetCenter 6
- Tampen 11
- Utsira Nord 150
- Europa 3000
- Verden 6000

En mølle > 333 MNOK



Tømmervik/ Unitech



Digerne - temporary storage

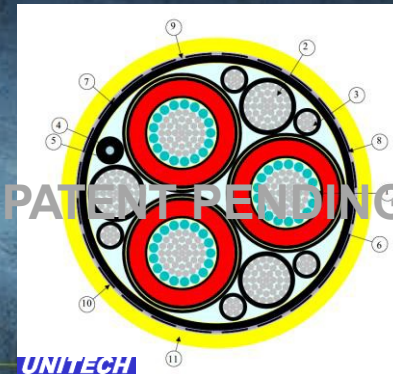
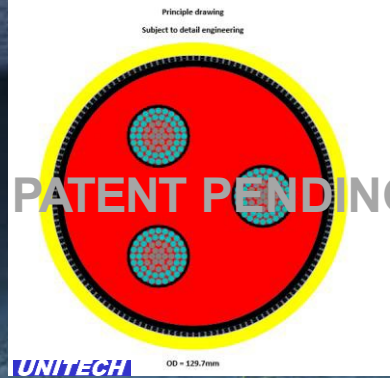


ZEFYROS 2.3 MW
-By Hywind Technology

OO Star 8 MW

Makani 0.75 MW

Tetraspar 3.6 MW

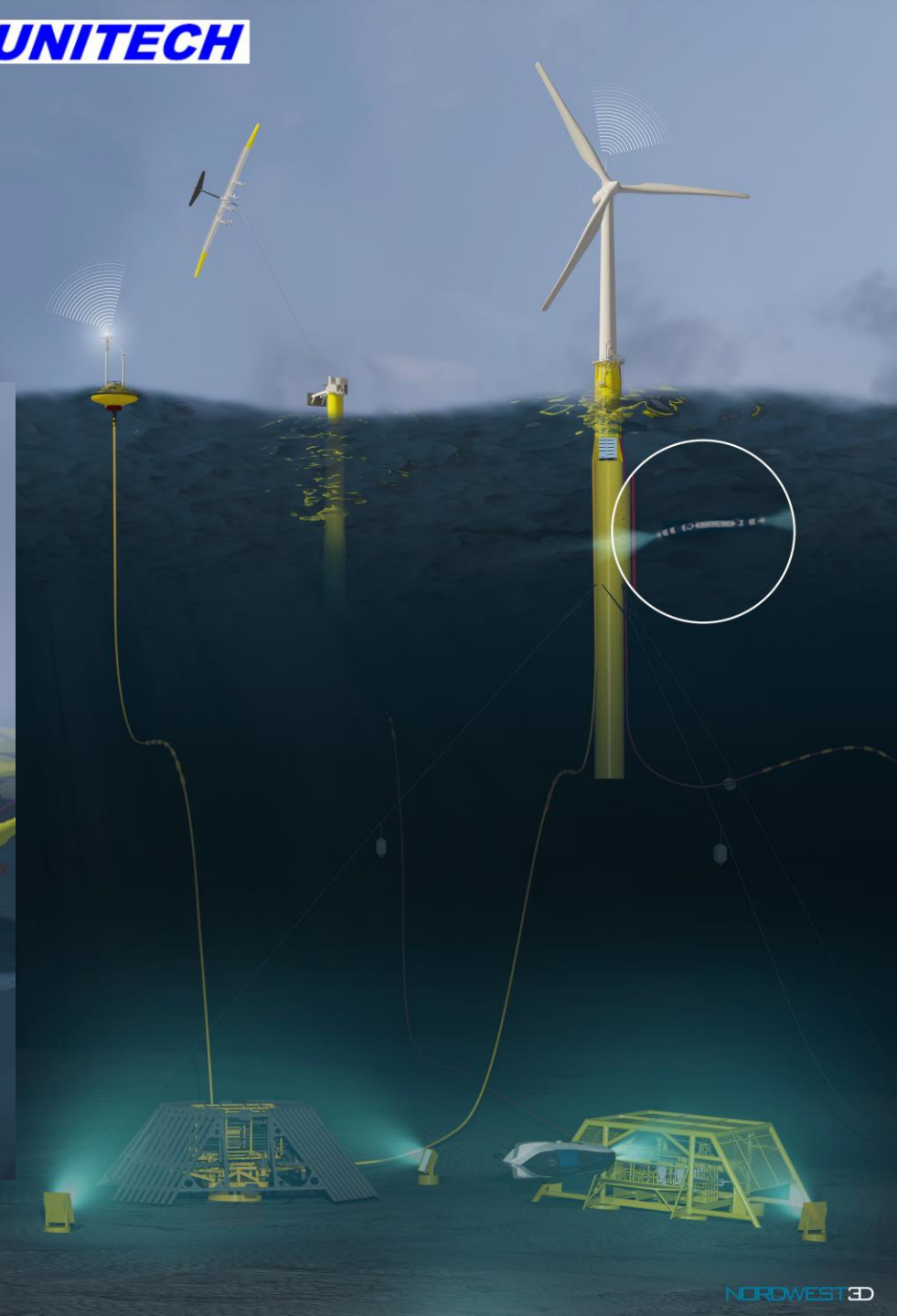


Multi use test site

Zefyros as “fuel station” for:

- Hybrid Energy storage
- Subsea Charging Station/UID
- Surface vessels

- Communication Hub
- Grid connection
- Microgrid applications



Bømlo, Rubbestadneset



**SUSTAINABLE
ENERGY** | **NORWEGIAN
CATAPULT
CENTRE**