

Barents Blue Developing a world-scale clean ammonia hub

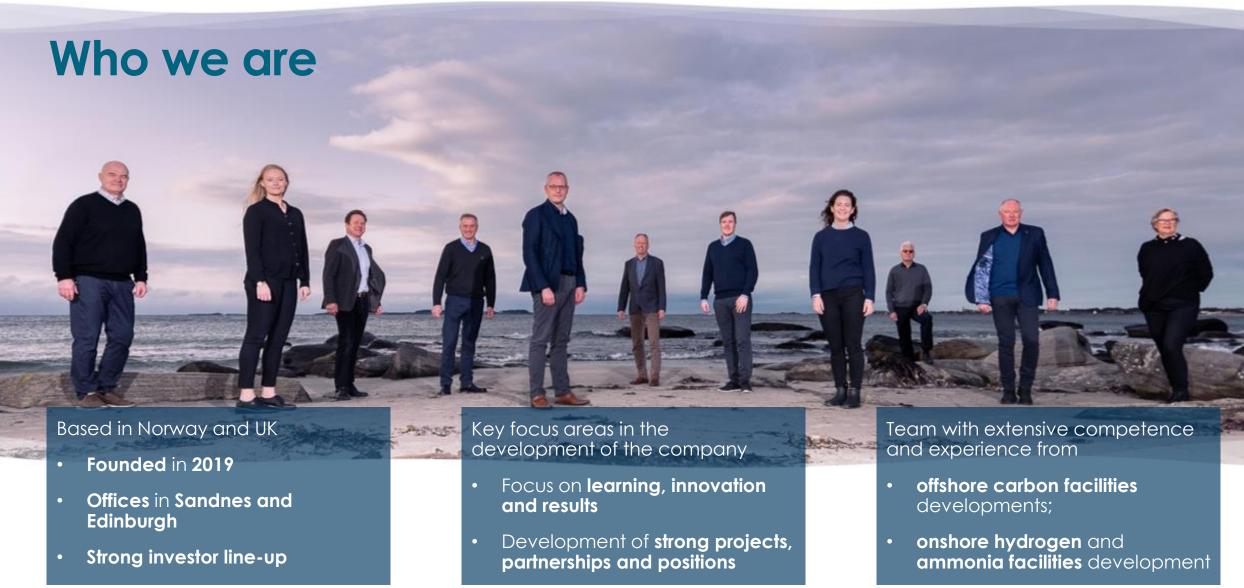
Advanced Biofuels Conference, Stockholm

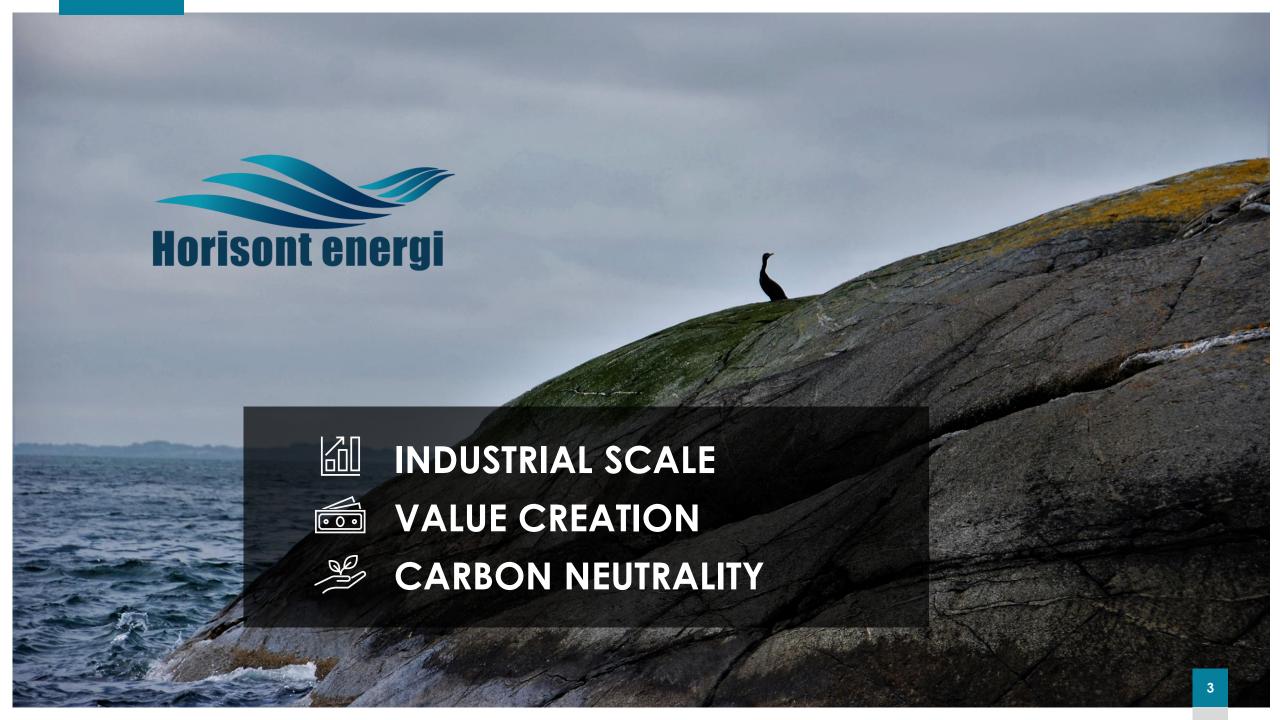
Bjørgulf Haukelidsæter Eidesen, CEO Horisont Energi

21-22 September 2021





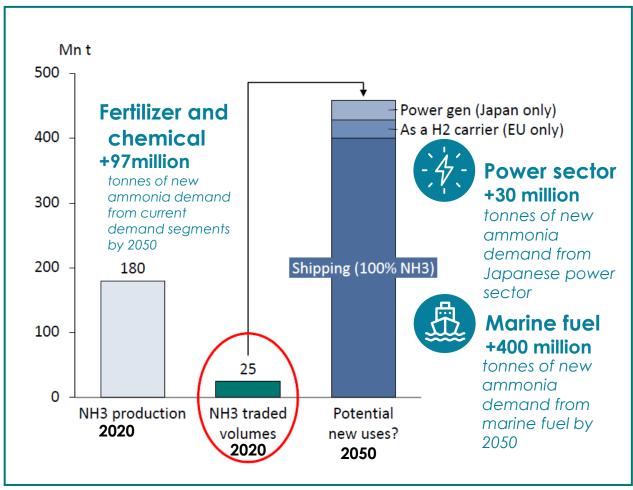




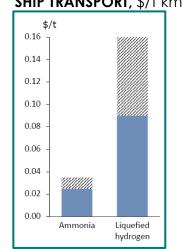
Why clean ammonia?

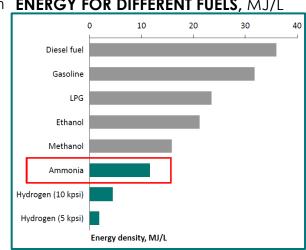


SUBSTATIAL GROWTH IN TRADED MARKET FROM 2020 TO 2050 MAINLY IN NEW SECTORS, ESPECIALLY IN SHIPPING

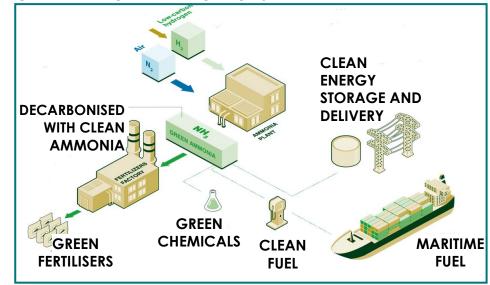


SHIP TRANSPORT, \$/T km ENERGY FOR DIFFERENT FUELS, MJ/L





CLEAN AMMONIA APPLICATIONS



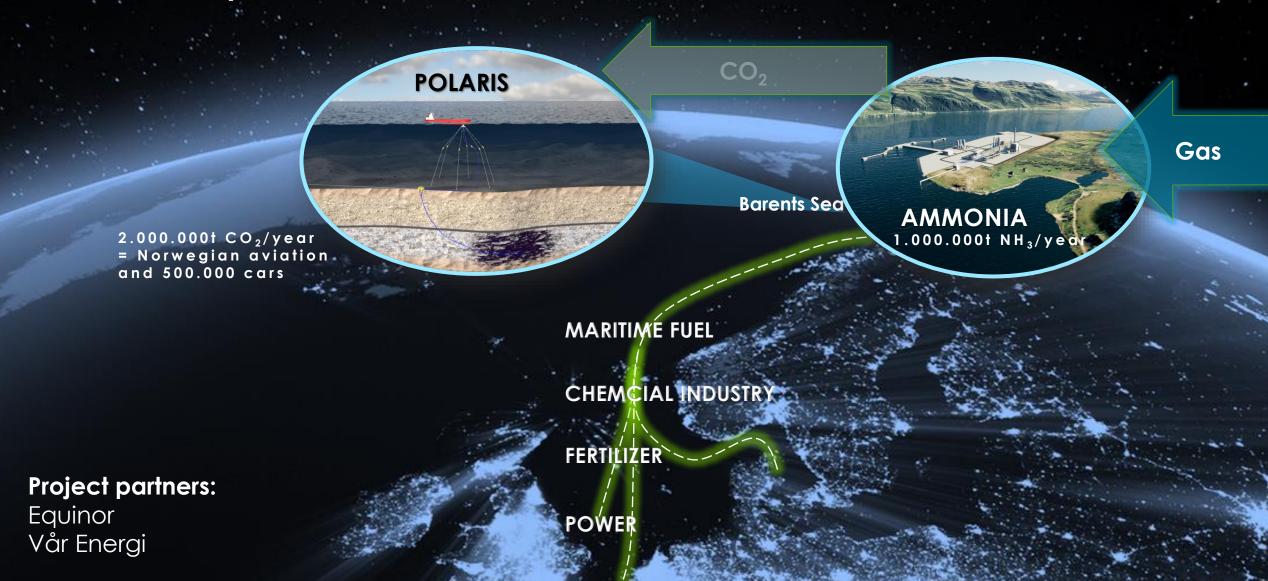
<u>Established markets</u> with critical need for de-carbonization

New markets with substantial growth potential

Barents Blue



World-scale production of clean ammonia





A clean ammonia plant for a sustainable future



Key project data

Location: Markoppneset, Finnmark, Norway

Start-up year: 2025

Gas supply: Melkøya LNG plant

Technology: Auto-thermal reforming (ATR)

End-product: Clean ammonia

Yearly production: Above 1 million tons

Yearly CO₂ storage: 2 million tons

Future plans: train 2 and train 3



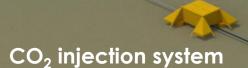


Polaris CO₂ Storage Asset

Onshore Control Room



Power & control cable to shore

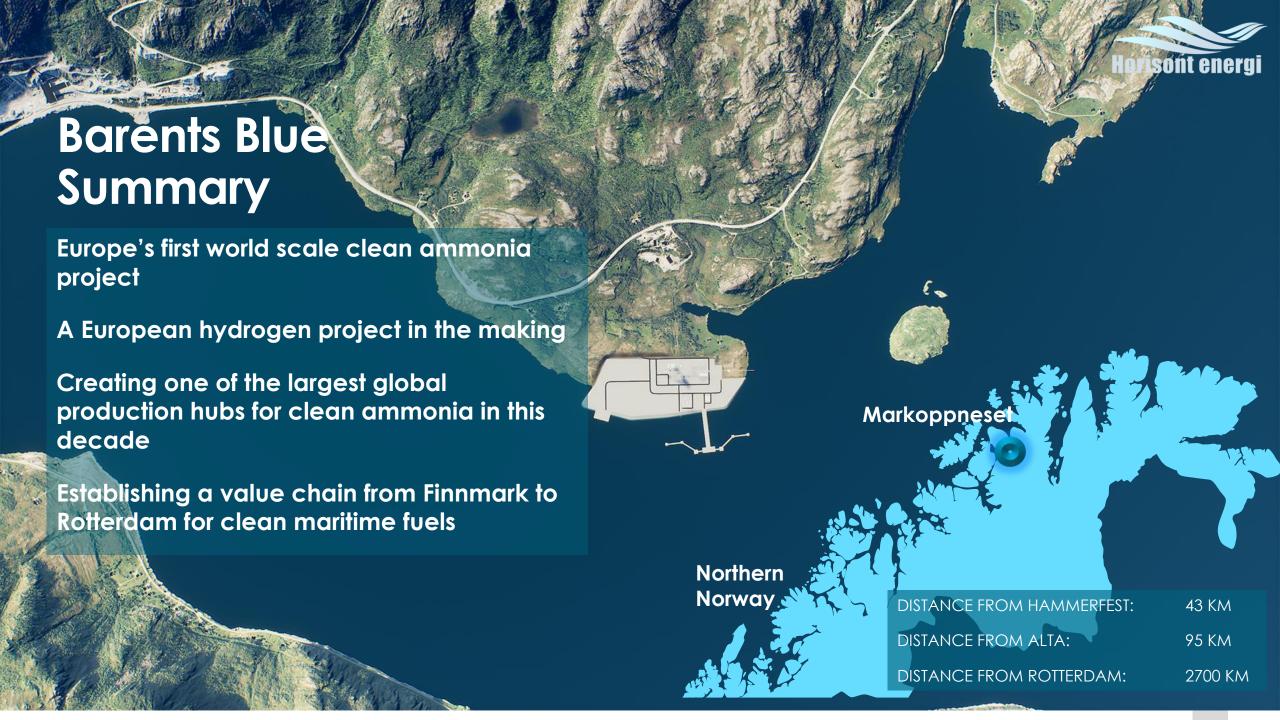


CO₂ Carrier

Offshore off-loading system

CO₂ injection riser

- 100 km off the coast
- High quality reservoir
- 2 million tons/yr CO₂ injection capacity in the first phase
- Over 100 million tons of estimated storage capacity





PROJECT BARENTS BLUE

