

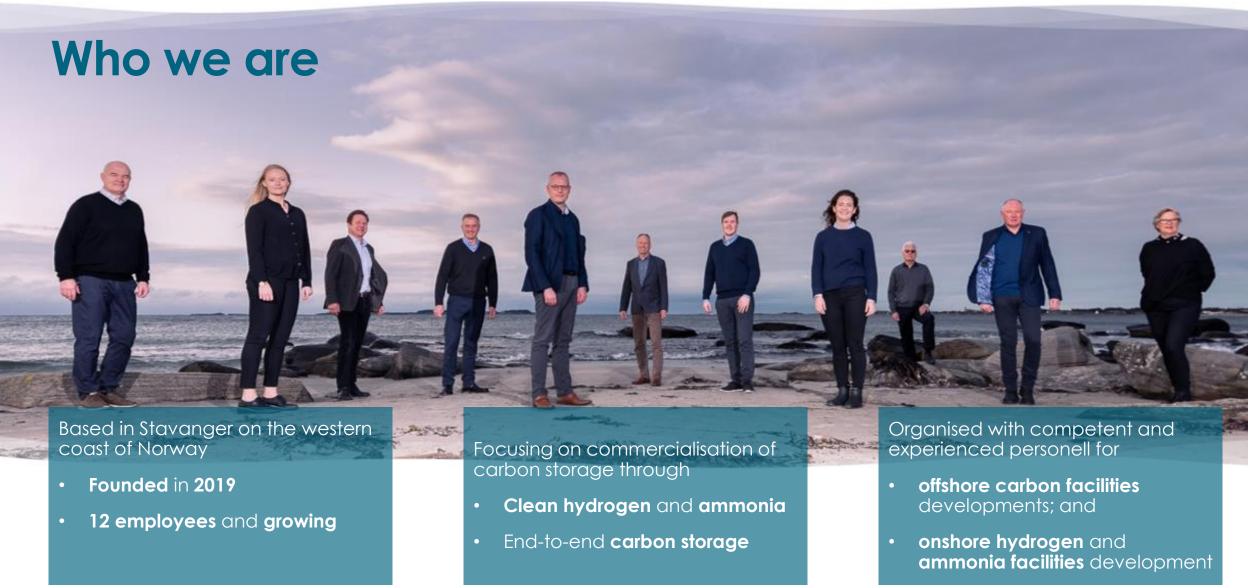
Horisont Energi

SpareBank 1 Markets - Energikonferansen 2021 18 February 2021









Company Objectives



A top-tier European carbon tech company

1 The carbon storage cost leader



Europe's preferred carbon storage provider



Europe's leading carbon storage asset developer

2 First to market with world scale blue ammonia



Deliver cost-competitive clean ammonia to the global market



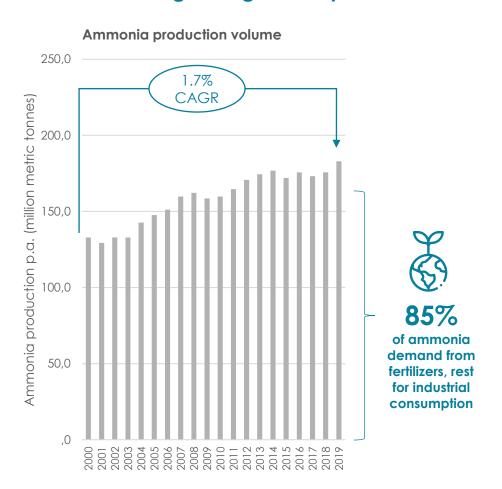
Become the preferred supplier of clean ammonia in Northern Europe



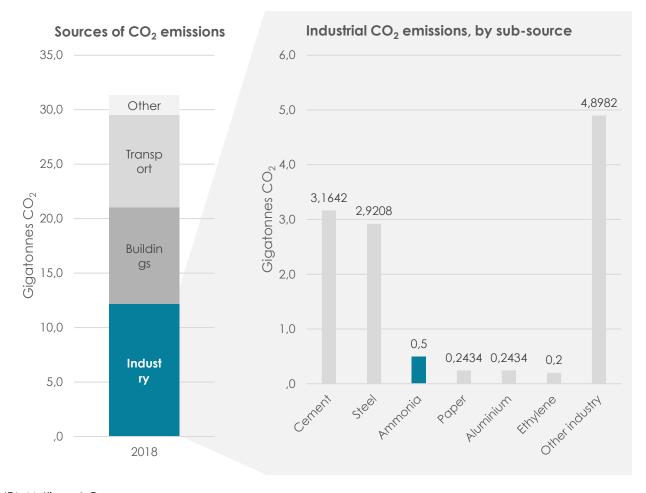
Critical to decarbonize ammonia production



Critical market growing steadily



Large source of CO₂ emissions globally

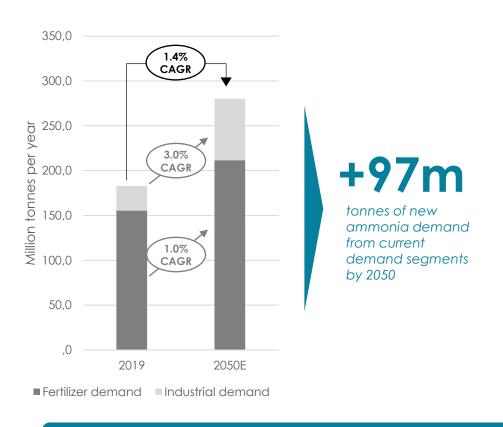


Source: U.S. Geological Survey: Mineral Commodity Summaries 2002-2020, Yara Fertilizer Handbook 2018, IEA, McKinsey & Company
Notes: Emissions include indirect emissions from electricity and heat production. Fertilizers' share of ammonia demand from 2017 (according to Yara Fertilizer Handbook 2018)



(Clean) Ammonia demand likely to grow fast

Current verticals: Fertilizer and industry

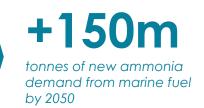


Emerging verticals: Fuel and power



Marine fuel

Ammonia considered a highly viable alternative fuel for maritime transport, with DNV-GL expecting its share of the fuel consumption to reach 30-60% of the total by 2050





Power sector

Countries reliant on imported fossil fuels for power production see ammonia as a high-potential alternative. Japan alone could demand 30m tonnes of ammonia to supply only 10% of its power needs. The ambition is 100% carbon free power production.



tonnes of new ammonia demand from Japanese power sector. Other countries may also make a similar transition.

- The ammonia market growth will come from Clean Ammonia, either Blue or Green
- In addition, the established ammonia production capacity will be de-carbonized, driven by carbon border taxes and ESG requirements

Source: U.S. Geological Survey: Mineral Commodity Summaries 2002-2020, Yara Fertilizer Handbook 2018, DNV-GL: Maritime Forecast to 2050, Institute of Energy Economics Japan, Notes: Assumes ammonia production growth in line with historical average, with 15% of total demand coming from industrial sector in 2019. Marine fuel demand assumes 30% of fuel mix in 2050 is from ammonia.



Project Barents Blue

First green field world-scale clean ammonia project in Europe



Polaris CO₂ Injection



Onshore Control Room



Power & control cable to shore



CO₂ injection system

Offshore off-loading system

CO₂ Carrier

CO₂ injection riser

Technical data

- CO₂ injection 1.8-2.0 million tons/year
- 2 off CO₂ carrier vessel in transit
- Reservoir and environmental monitoring



Summary

- Clean ammonia is a key component in a decarbonised economy
- Regulation and infrastructure is already in place for scaling clean ammonia
- Horisont Energi is the first pure carbon storage company offshore Norway
- We are uniquely positioned to deliver clean ammonia
- Horisont Energi will deliver both blue and green ammonia projects
- Project Barents Blue is the first green field world-scale clean ammonia project in Europe

