



Horisont Energi | Company presentation

Japan – Norway Ammonia Webinar

9 December 2021

Bjørgulf Haukelidsæter Eidesen, CEO



Who we are



Based in Norway and the UK

- **Founded** in 2019
- **Strong investor line-up**
- Offices in **Stavanger, Oslo** (opening soon), **Edinburgh**

We are focusing industrial scale, value and carbon neutrality

- **Clean** hydrogen and **ammonia**
- End-to-end **carbon storage**
- Development of **strong projects, partnerships and positions**

Team with extensive competence and experience from

- **Offshore carbon facilities** developments
- **Onshore hydrogen and ammonia facilities** development

Europe's first world-scale clean ammonia plant

PROJECT BARENTS BLUE



Developing the most carbon and energy-efficient ammonia plant in the world

- **Zero emissions** and environmentally-friendly plant
- Mostly **self-sufficient on power**, limited renewable electricity from the grid
- Focus on **sustainable solutions and circular practices** in design and in selection of consumables
- Focus on **avoidance of sound and light pollution**
- Start-up year: 2025
- **Annual output (NH₃): 1 million ton/yr (train 1)**
- **Annual output (NH₃) by 2030: 3 million ton/yr (train 1-3)**
- CO₂ capture rate: above 99%
- CO₂ injection: up to 6 million ton/yr (train 1-3)

Why Finnmark?

- Finnmark is the best region for production of clean ammonia in all of Europe
 - A **climate optimal for cooling** without affecting seaborne transport
 - Among the **lowest power prices in Europe** – with only renewable energy
 - A lot of **available gas that can be decarbonised** – a good climate measure, and where most of the gas have a low carbon footprint
 - **Good marine conditions** in many areas with a limited need for winterisation and high reliability
 - **Short transport route** to the worlds next largest port for marine bunkering - Rotterdam



Timeline Barents Blue

High level Schedule



Completed

- ✓ Project shaping & framing
- ✓ Site selection & civil study
- ✓ Ammonia plant design study
- ✓ Melkøya tie-in study
- ✓ Pipeline study
- ✓ Decision Gate 1 (feasibility)
- ✓ Permitting initiated

Very strong partnership set-up

Baker Hughes



Knutsen Group



SAIPEM



TECHNIP ENERGIES

subsea 7



ALCATEL SUBMARINE NETWORKS

Multiconsult

HALDOR TOPSØE WOOD.

THANK YOU

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ACCELERATING THE TRANSITION TO
CARBON NEUTRALITY THROUGH
PIONEERING PROJECTS