



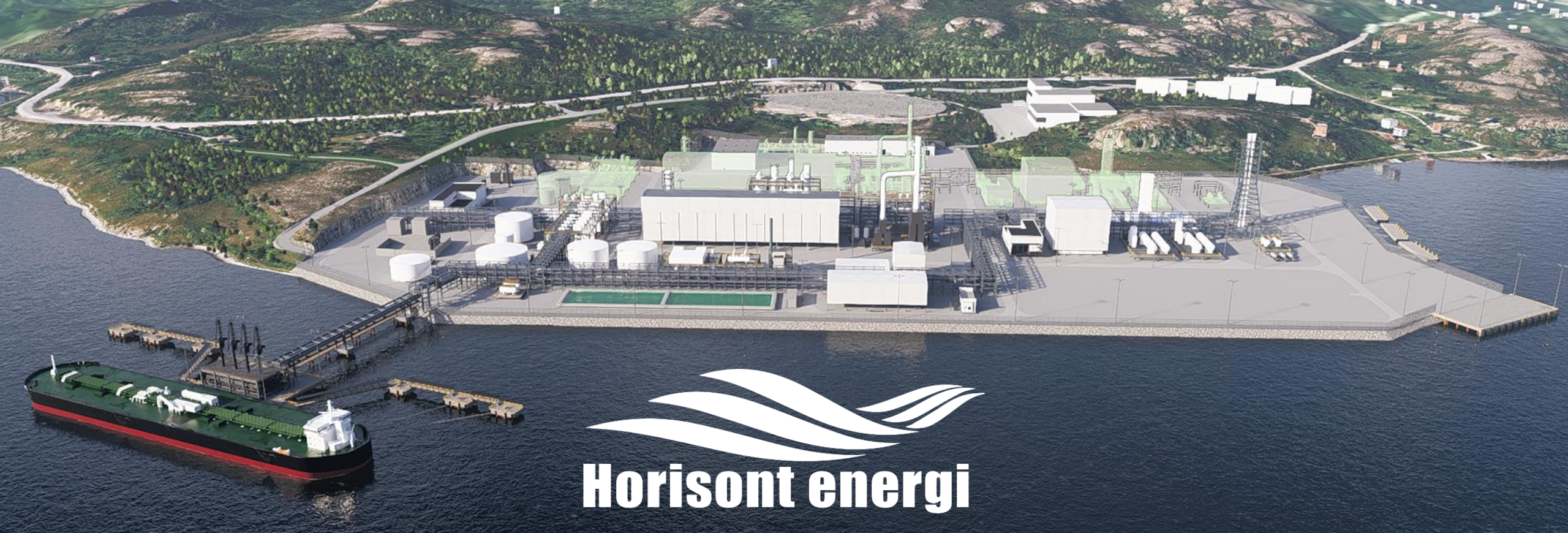
Horisont Energi

Renew Summit 2024

13-14 March 2024

Bjørgulf Haukelidsæter Eidesen, CO-CEO





Horisont energi

Founded: Aug 2019

Employees: ~40 people

Funding: Seed \$1M, Series A \$15M, Series B \$42M

Soft funding: \$26m (Horisont equity)

Locations: Stavanger, Oslo and Hammerfest in Norway, Edinburgh in the UK

Existing owners: Industrial ownership with E.ON as largest shareholder in topco with 25%, management and employees about 40% total



“Our ambition is to become a leading clean energy company offering cost-effective clean ammonia, with market leading sustainability performance.”

BJØRGULF EIDSEN
CO-CEO / Founder



Barents Blue Ammonia

The original blue ammonia project globally

Plant location

Multiconsult
Horisont energi

Markoppneset

Northern
Norway

Name Markoppneset
Located Hammerfest, Finnmark
Area available 400 acres
Regulated for Industrial activity
Planning program Approved

Setting the standard for **CLEAN AMMONIA**

Key design ambitions

Develop the most carbon and energy efficient ammonia plant in the world

- Minimum all emissions & use of clean water
- CO₂ capture rate: > 99 %
- Minimise renewable electricity use, high energy efficiency
- Focus on sustainable solutions and circular practices
- Efficient process utilizing the benefit of the cold climate
- Low noise level and negligible light pollution – minimize effect on surroundings and impact on biodiversity
- Full EU Taxonomy compliance

Project facts

Established May 2020 by Horisont Energi
Based upon Topsoe ammonia technology
Design developed together with Saipem
EU IPCEI Hydrogen project

Key Technical Data

Hydrogen technology: Oxyfuel Auto Thermal Reforming (ATR) (SynCOR Ammonia™)

CO₂ capture rate: > 99 %

Gas feed: ~2.8 million Sm³/day

Blue hydrogen capacity: 675 MT/day

Blue ammonia capacity: 3000 MT/day

Annual output NH₃: 1 million MT/year

Renewable electricity: 45 MW

Carbon footprint scope 1-3: 300 g CO_{2e}/kg H₂

Key figures



50%

Barents Blue
project share



2025

Final investment
decision



2029

Est. production
start

Project highlights

- The original blue ammonia project globally
- A unique European (IPCEI) project, the first European world-scale ammonia plant
- Opens up Northern Norway as a global clean ammonia hub
- Probably the highest sustainability standard clean ammonia in the global market





“Barents Blue will be a flagship project of great importance for Norway and Europe.”

“The project will demonstrate that new, energy-efficient technology for ammonia production including carbon capture can make low-emission ammonia competitive.”

NILS KRISTIAN NAKSTAD
CEO Enova

Our mission

Accelerating the transition to carbon neutrality through pioneering projects



www.horisontenergi.no