



Ammoniakk fra nord

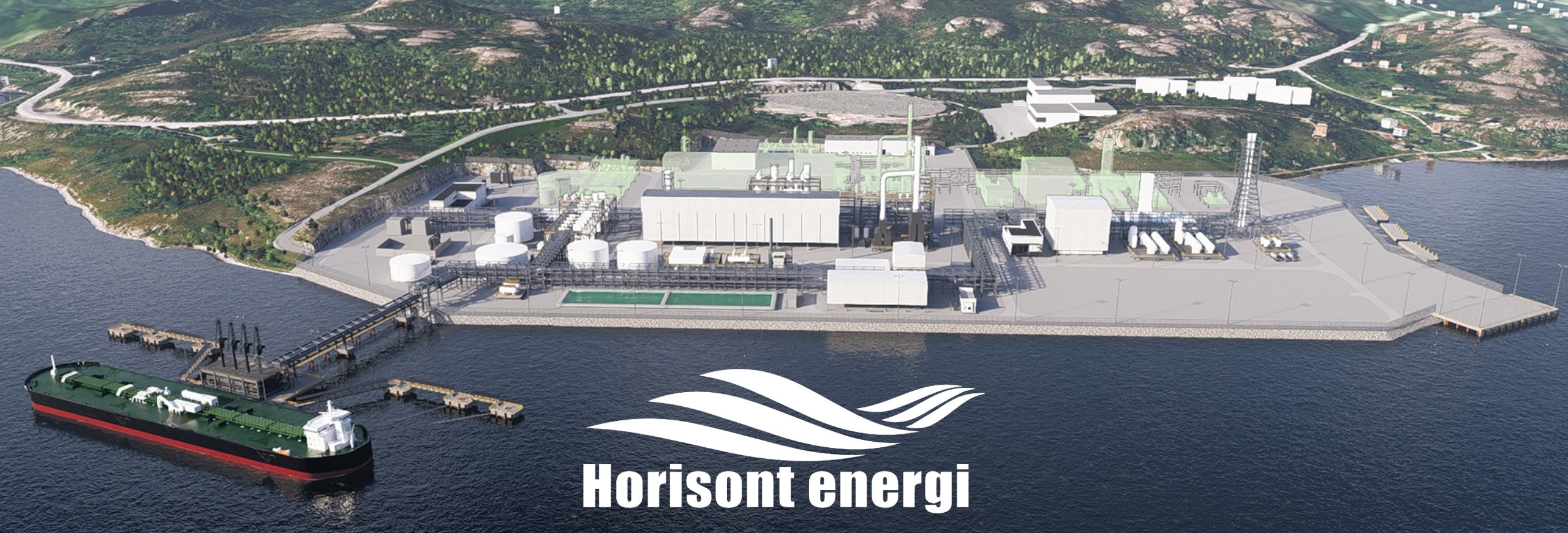
Energiskriftet 2024

22 mai 2024

Rune Halseid, CBO Ammonia & CO₂ infrastructure



Horisont energi



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



Barents Blue Ammonia

The original blue ammonia project globally

Plant location

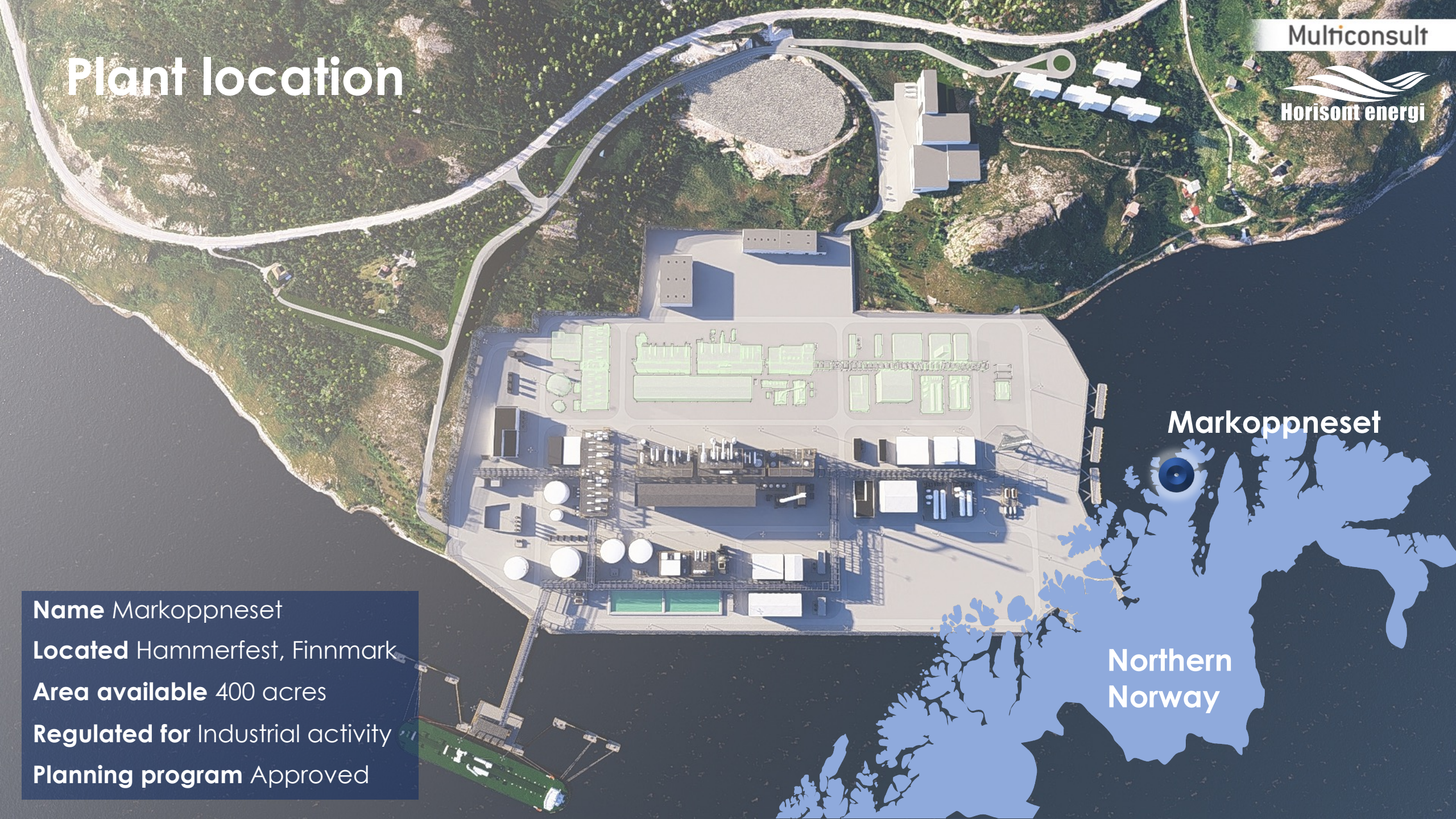
Multiconsult

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

- Minimum all emissions & use of clean water
- 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

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

Project highlights

- 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



Our mission

**Accelerating the transition to carbon
neutrality through pioneering projects**



www.horisontenergi.no