

Horisont Energi - Schlumberger Digital Forum 2022

September 27th, 2022

Morten Sola, Chief Projects Officer, CCS





Horisont energi

About Horisont Energi

A Norwegian energy company that provides clean energy, carbon transport and storage.

Our mission

Accelerating the transition to carbon neutrality through pioneering projects

Horisont Energi has two main business areas

1

Clean ammonia

Projects: Barents Blue & Polaris, Green ammonia

Why?

- The world needs clean energy
- Increased pace needed to solve the global energy crisis



2

European CCS

Project: Errai

Why?

- Massive demand for 3rd party storage in Europe to strengthen the green shift



PROJECT Barents Blue

Europe's first world-scale clean ammonia facility

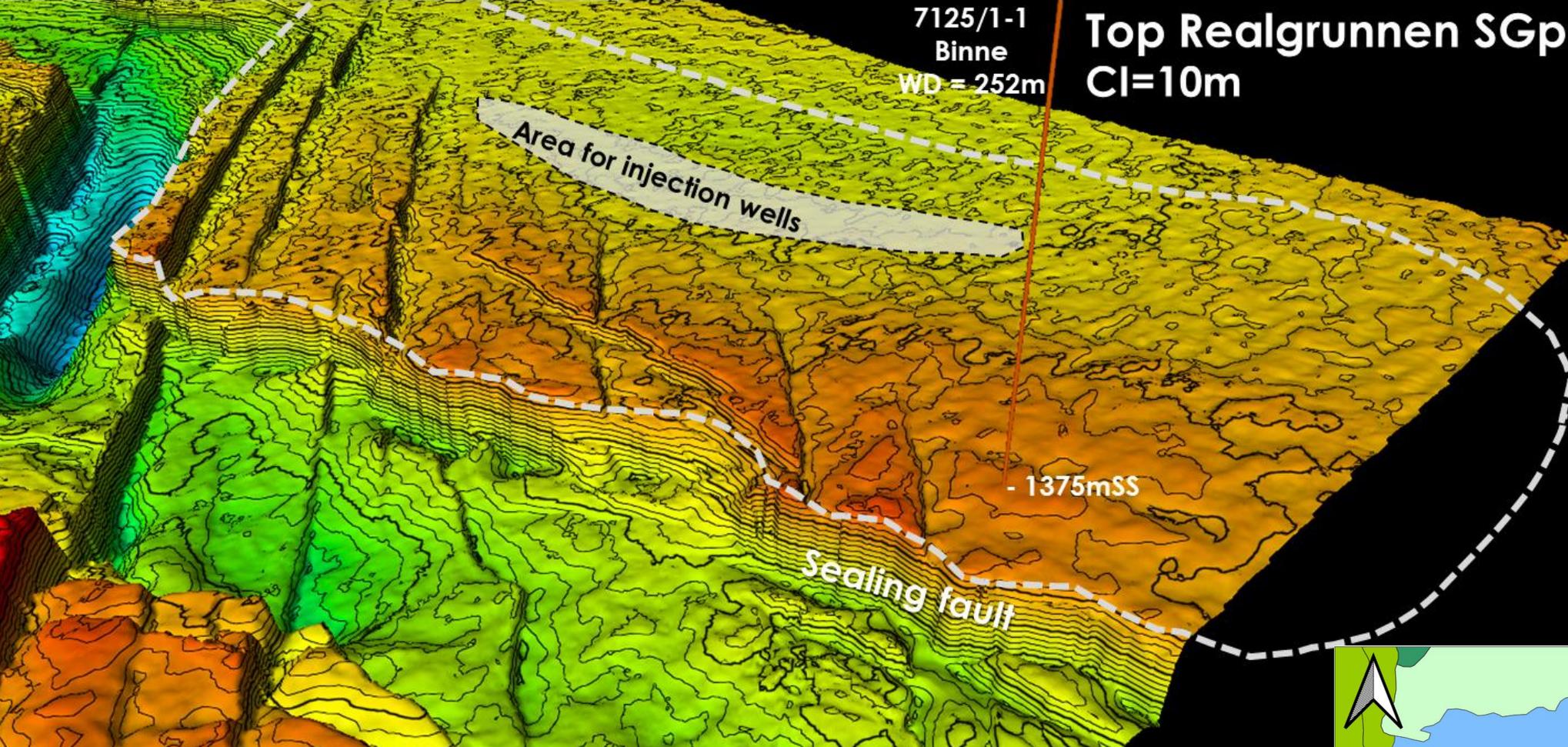
HAMMERFEST | EST. START 2026/27



Annual production by 2030:
1-3 million tonnes

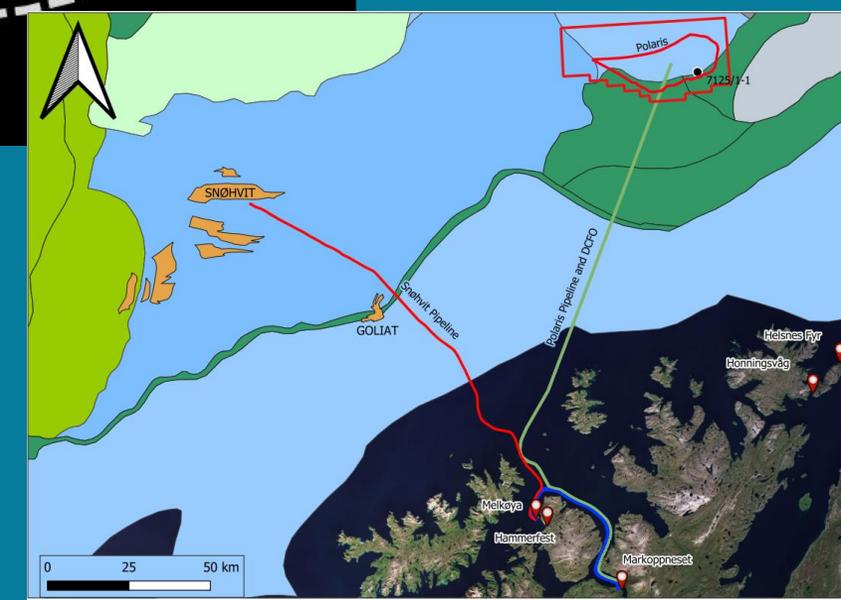


- **EU's first world-scale clean ammonia plant, has been awarded a NOK 482 million grant from Enova SF to participate in the Important Projects of Common European Interest (IPCEI) Hydrogen**
- Signed an extended concept study contract with Saipem who will cooperate with the technology licensor Topsoe completion planned around year end
- On-going impact assessment in cooperation with Multiconsult and other suppliers
- FEED studies being prepared for the next phase of the project



Polaris CCS License (EXL 003) awarded June 2022

- ▶ Owner share: Equinor 40% (operator), Horisont Energi 30%, Vår Energi 30%)
- ▶ Injection capacity sufficient for Ammonia Plant CO₂ discharge and potentially 3rd party



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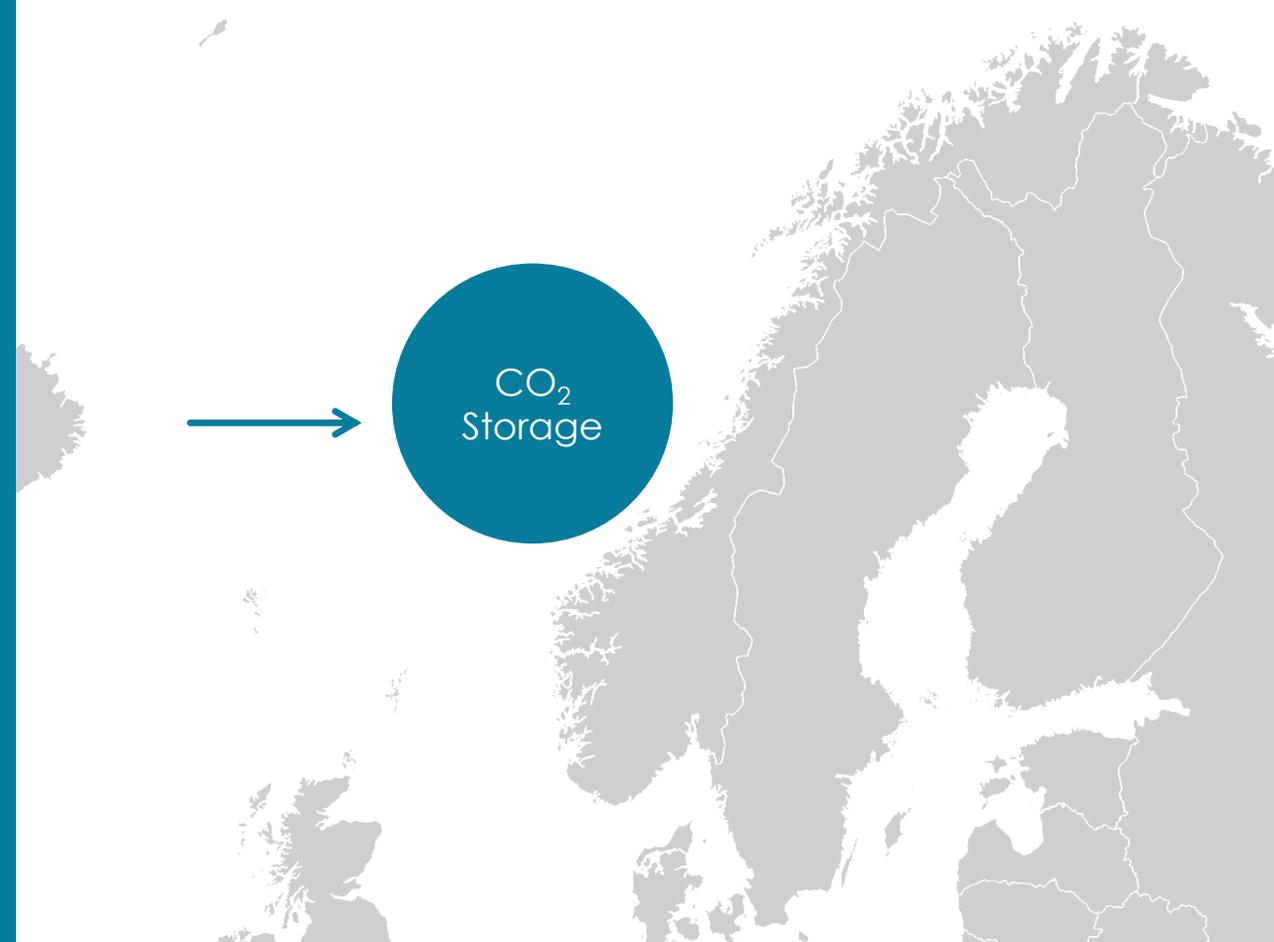
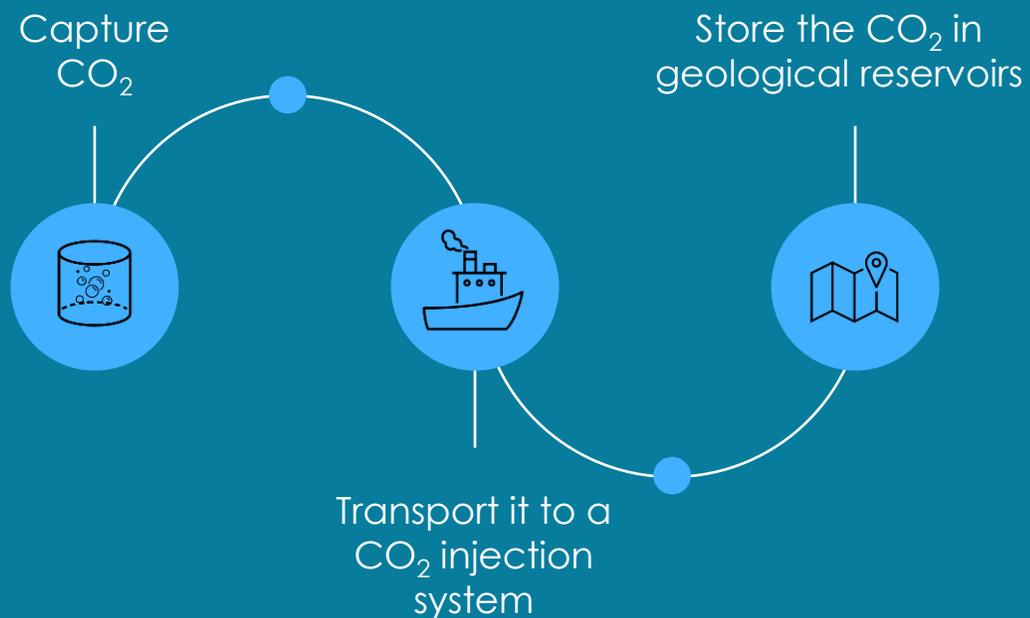
Projects: Errai & Polaris

Why?

- CCS will be an important business in order to reach net zero by 2050
- The demand for CO2 storage is high in the European market



This is how we address the European demand:



Horisont Energi and E.ON enter cooperation agreement with E.ON acquiring 25% stake in Horisont Energi



Horisont and E.ON want to play a decisive role in the decarbonization of key industrial sectors in Europe, whilst scaling up and commercializing CSS and clean ammonia

Value chain



CAPTURE



TRANSPORT



STORAGE

PROJECT Errai

Horisont Energi and Neptune Energy plan to develop a carbon capture and storage (CCS) project for 3rd party customers in Europe



Project highlights

- The project includes an onshore terminal for intermediate CO2 storage, with the intention to permanently store the CO2 in an offshore reservoir
- Annual storage: 4-8 million tonnes in first phase
- Evaluating several onshore locations in the South of Norway
- The plan is to store CO2 for European customers, including from the planned CO2 terminal at the Port of Rotterdam

Thank you!

