



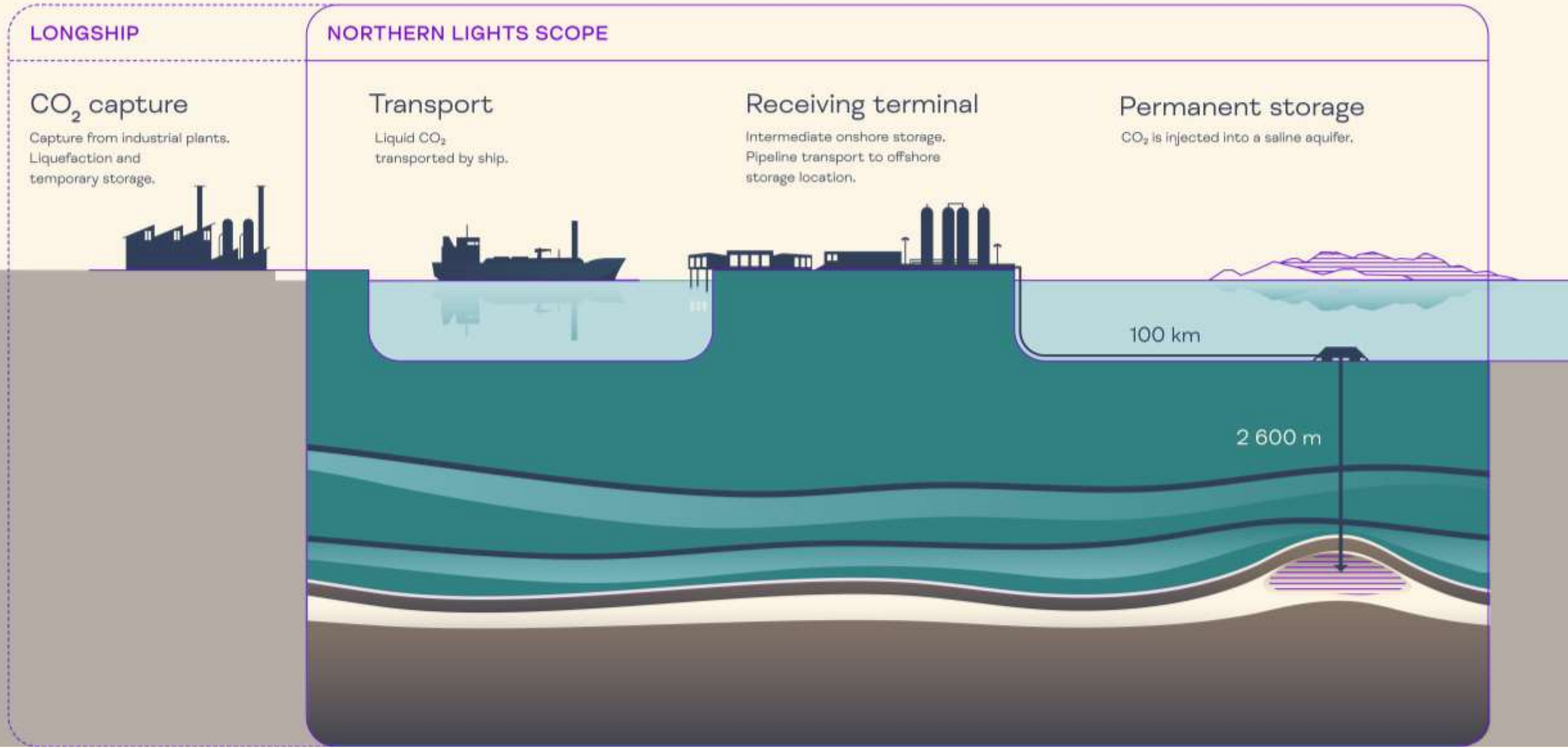
Northern
Lights

CO₂ transport and storage at scale

Børre Jacobsen, 23rd May



Longship value chain



Delivering on commitments

1

Deliver Phase 1 - operational in 2024

2

Develop **commercial expansion (Phase 2)**

3

Deliver on **growth ambitions** to meet market demand

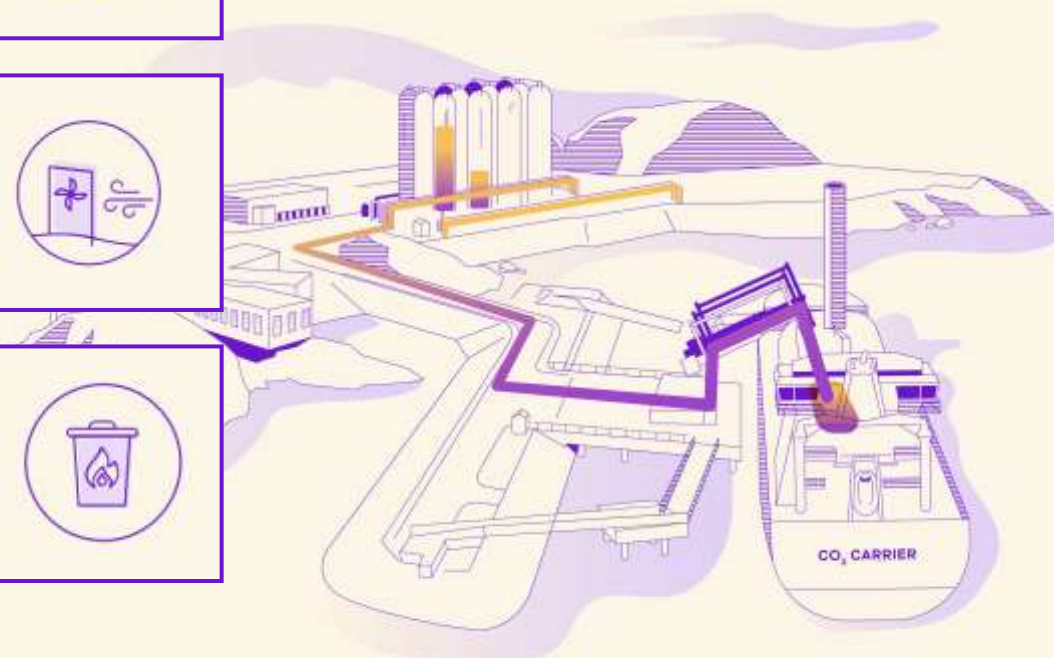
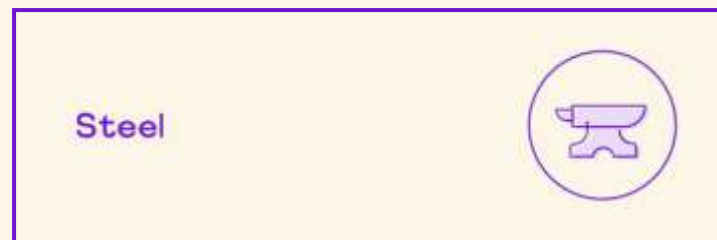
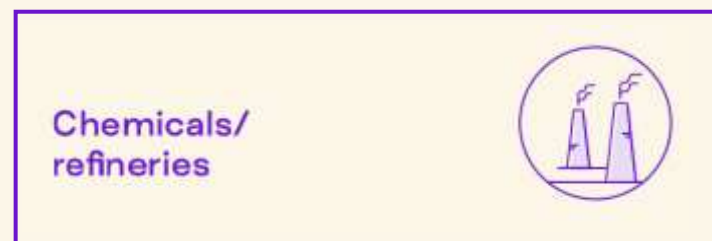
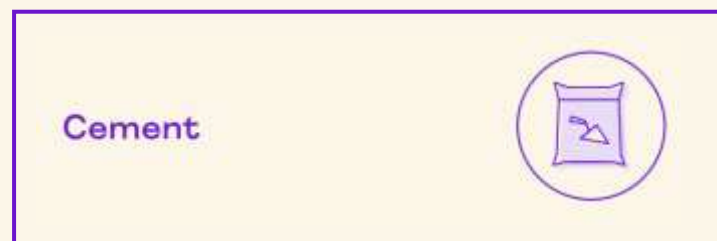


From vision to reality



CO₂ transport and storage at scale

An industrial solution to an industrial problem, tackling the hard to abate emissions



Building a market for CO₂ storage

“Net zero near impossible without CCS” (IEA)

- **Northern Lights is the first** to commercialise CO₂ transport and storage as a service
- **Significant interest and demand** for our services
- **First commercial agreement** with Yara in August

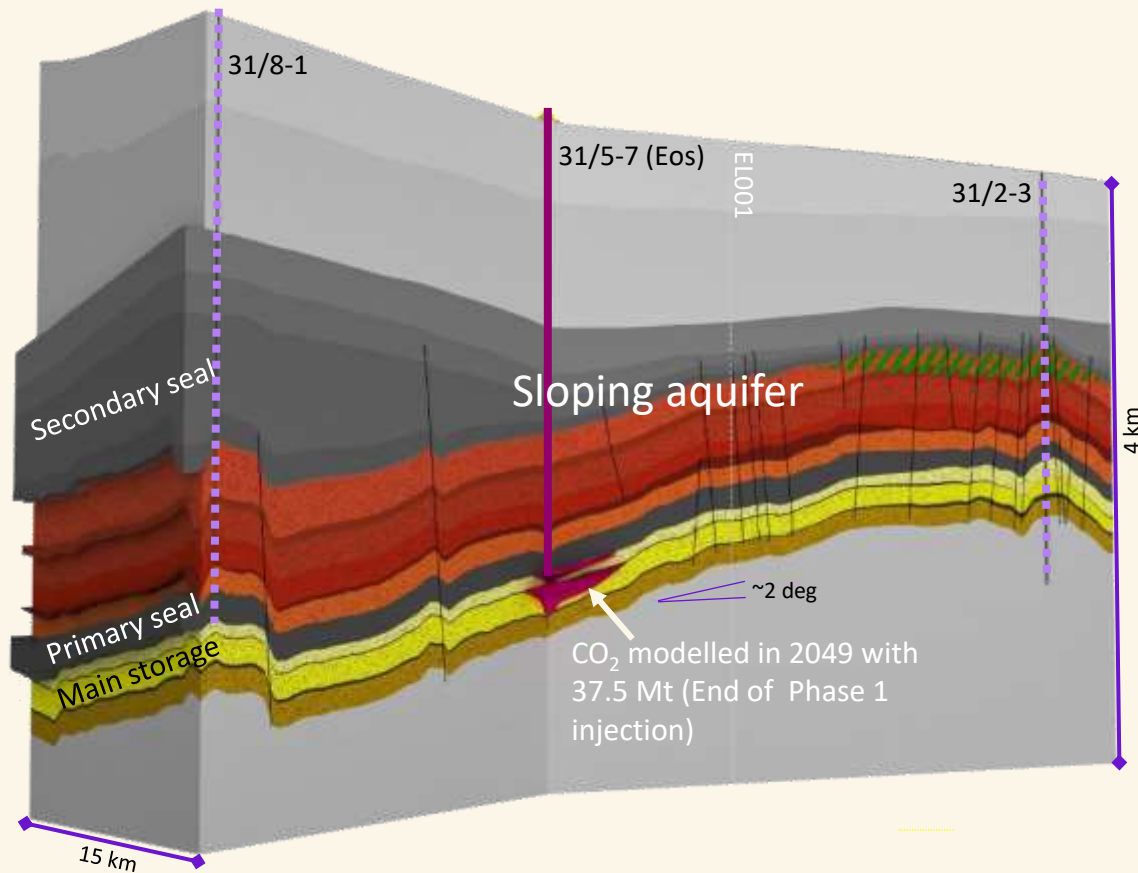
Challenges

- Establishing **first of its kind contracts** for transport and storage
- Streamlining and adapting **regulatory framework**
- Establishing **bilateral agreements** for cross-border CO₂ transport
- Changing geopolitical situation: **security of energy vs. climate targets**

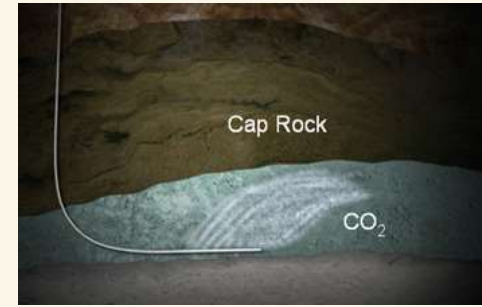


Safe storage

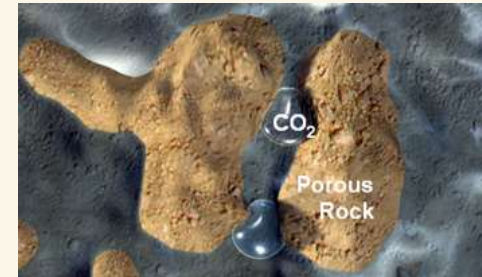
→ Proven and well-known technology



CO₂ traps



1. Stratigraphic/structural trapping



2. Residual trapping



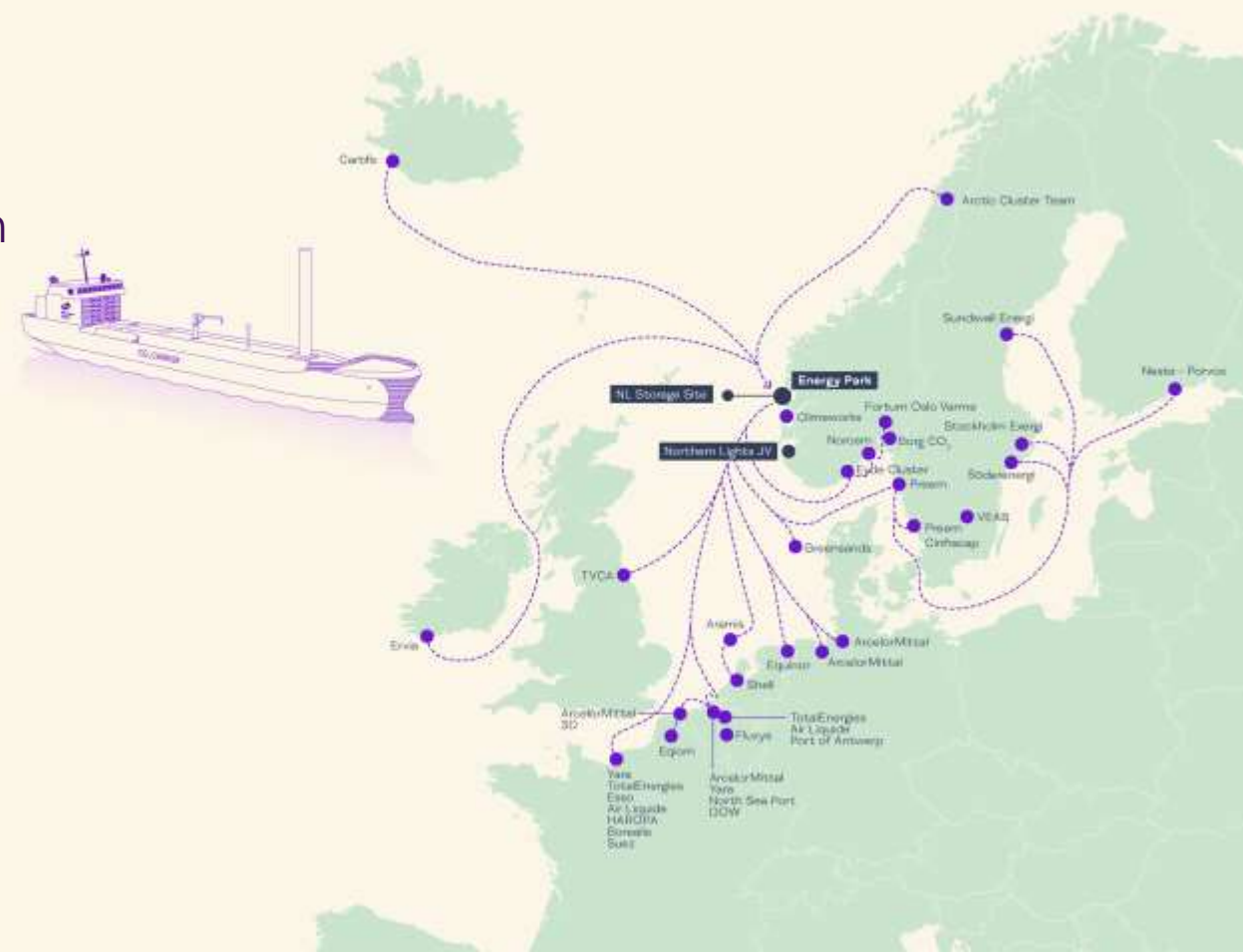
3. Solubility trapping



4. Mineralisation

Ships or pipelines – both please

- **Significant need** for both ships and pipelines to meet the market demand
- **Complementary** services, addressing different needs
- Shipping provides a **non-discriminatory** solution to a wide spread market
- **Shipping is flexible** and can reach a vast number of emitters
- Shipping is easily **scaleable** according to market demand





**Northern
Lights**

norlights.com