

20 August 2024

# Webinar: Low Carbon Solutions

SVP Grete Tveit –MMP LCS



# Our strategy towards net zero in 2050



## LOW CARBON SOLUTIONS

# Integrated energy offering, combination of CCS, H<sub>2</sub> and clean power

### 2035 goals

**15-40**

TERAWATT HOUR

**Decarbonized energy**

**30-50**

MTPA

**CO<sub>2</sub> T&S capacity**

### LCS customers



Chemicals



Waste  
incineration



Power



Steel  
Cement



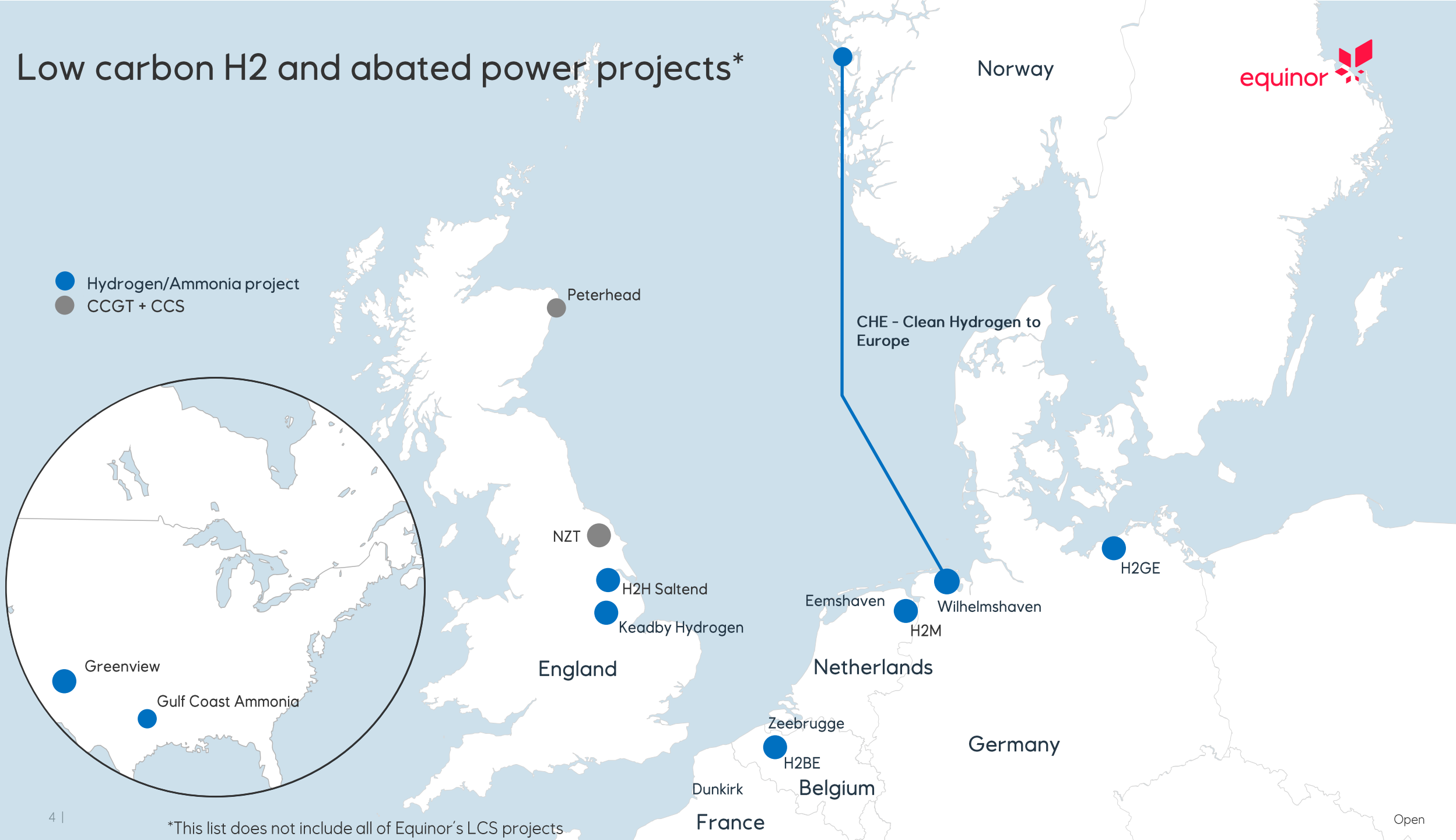
Biogenic  
CO<sub>2</sub>



# Low carbon H2 and abated power projects\*



- Hydrogen/Ammonia project
- CCGT + CCS

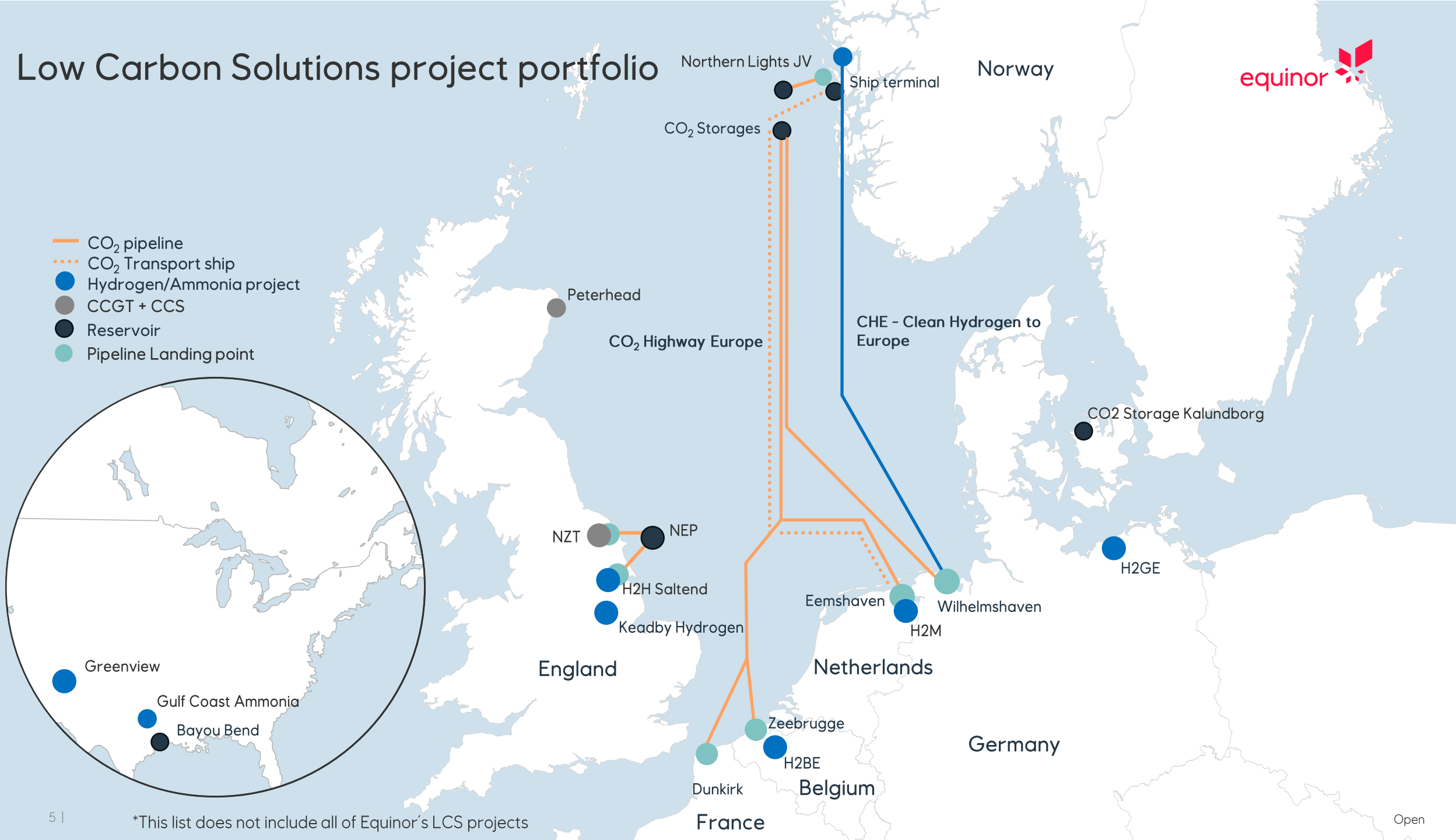


\*This list does not include all of Equinor's LCS projects

# Low Carbon Solutions project portfolio



- CO<sub>2</sub> pipeline
- ⋯ CO<sub>2</sub> Transport ship
- Hydrogen/Ammonia project
- CCGT + CCS
- Reservoir
- Pipeline Landing point



\*This list does not include all of Equinor's LCS projects



# Northern Lights

World's first third-party CO<sub>2</sub> storage

1.5 MTPA

CO<sub>2</sub> volumes phase 1

100% share

5-6 MTPA

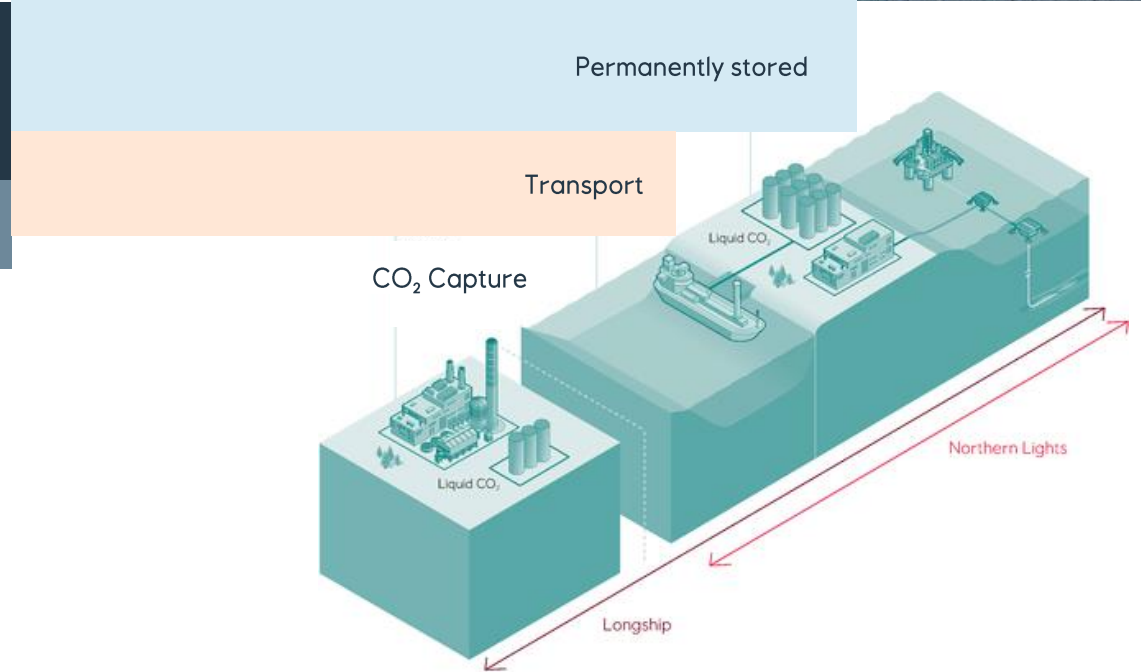
CO<sub>2</sub> volumes phase 2

100% share

2024

Start-up, phase 1

- Large scale CO<sub>2</sub> transportation and storage on NCS
- Funding from Norwegian government
- Joint venture with TotalEnergies and Shell
- Interest from > 50 potential customers
- Two commercial agreements for CO<sub>2</sub> T&S signed



| PROJECT NAME                       | PROJECT TYPE                        | COUNTRY      |
|------------------------------------|-------------------------------------|--------------|
| Northern Lights (NL phase 1 & 2)   | CO <sub>2</sub> transport & storage | NO, EUR      |
| Northern Endurance Partnership     | CO <sub>2</sub> transport & storage | UK           |
| Smeaheia                           | CO <sub>2</sub> transport & storage | NO, EUR      |
| CO <sub>2</sub> Highway Europe     | CO <sub>2</sub> transport & storage | BE, GER      |
| Bayou Bend                         | CO <sub>2</sub> transport & storage | US           |
| CO <sub>2</sub> Storage Kalundborg | CO <sub>2</sub> transport & storage | DK           |
| H2H Saltend                        | Low carbon hydrogen                 | UK           |
| Aldbrough H <sub>2</sub> storage   | Hydrogen storage                    | UK           |
| Net Zero Teesside Power            | Gas to power with CCS               | UK           |
| Keadby 3                           | Gas to power with CCS               | UK           |
| Peterhead                          | Gas to power with CCS               | UK           |
| Keadby Hydrogen Power Station      | Hydrogen to power                   | UK           |
| Hydrogen ready CCGTs               | Hydrogen to power                   | GER, BEL, NL |
| H2M Eemshaven                      | Low carbon hydrogen                 | NL, GER      |
| AquaSector                         | Renewable hydrogen                  | GER          |
| H2GE Rostock                       | Low carbon hydrogen                 | GER          |
| H2BE Ghent                         | Low carbon hydrogen                 | BE           |
| NortH2                             | Renewable hydrogen                  | NL           |
| H2He Easington                     | Renewable hydrogen                  | UK           |
| Clean Hydrogen to Europe           | Low carbon hydrogen                 | NO, GER      |
| Greenview                          | Low carbon ammonia                  | US           |



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