



GREENPORT
SCANDINAVIA

Gateway to the **Danish CCUS infrastructure**



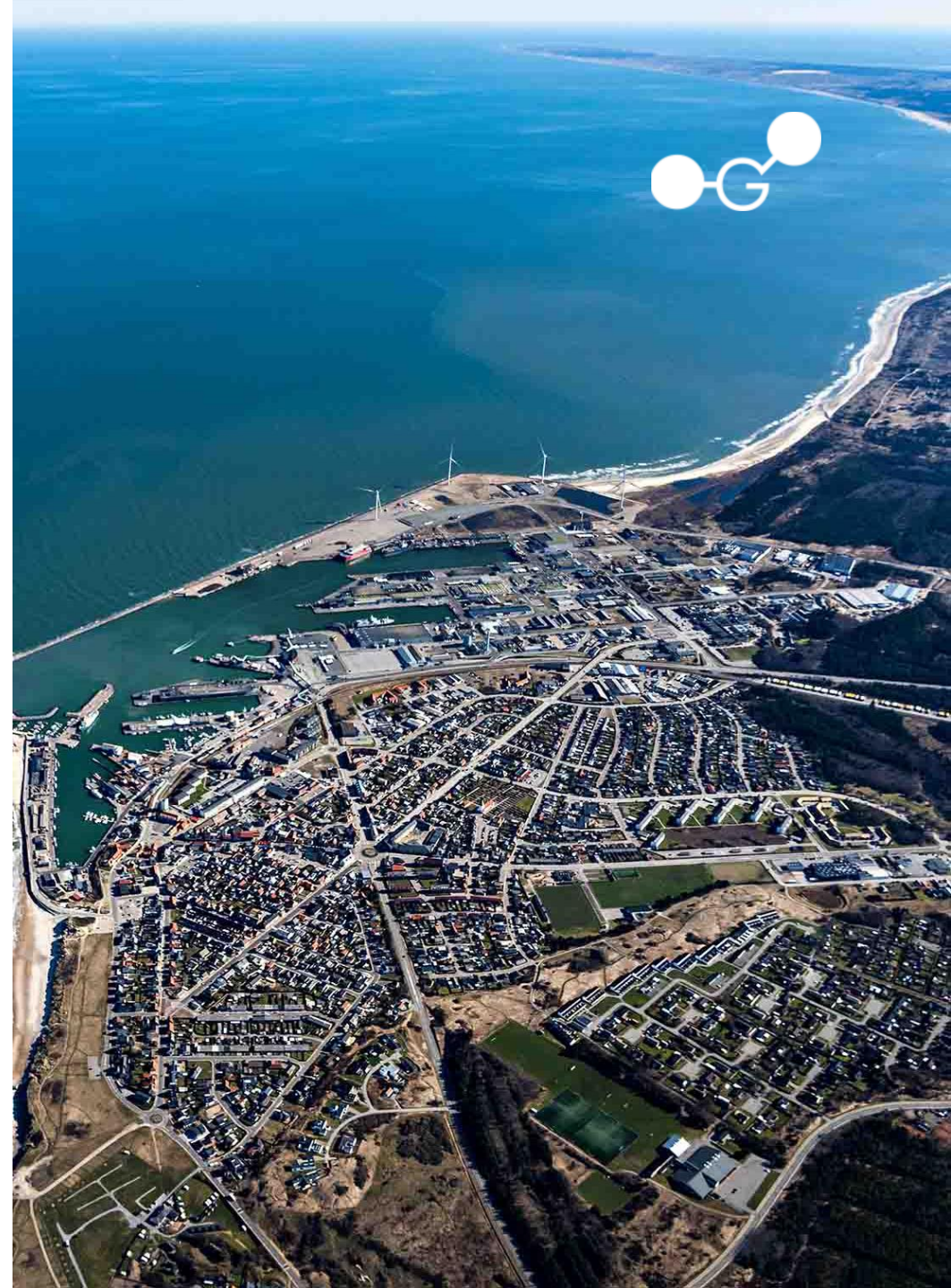
Co-funded by
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Industry CCUS 2024 Rotterdam

Hanne Skovby, 21 November 2024

Agenda

- Greenport Scandinavia
 - first full end-to-end value chain:
 - Establishing a leading CO2 import/export hub in Port of Hirtshals, Denmark, which is ideally situated in relation to offshore, nearshore and onshore storage
 - Connected to multiple, redundant CO2 storage sites
 - Maturation of CO2 infrastructure – transportation by road, rail, ship and pipeline



A strong partnership with a visionary mindset



INEOS

Harbour
Energy

evida

PORT OF
HIRTSHALS
HIRTSHALS HAVN

BIOCARB
SOLUTION

aalborgportland
CEMENTER HOLDING

greenport north

energy CLUSTER
DENMARK

HYDROGEN VALLEY*

EUC NORD

€ 14,6 million grant from the Just Transition Fund (EU)



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Greenport Scandinavia CO2 hub in Denmark awarded €14.6 million in EU funding

KASSEL / HIRTSHALS | 19 December 2023

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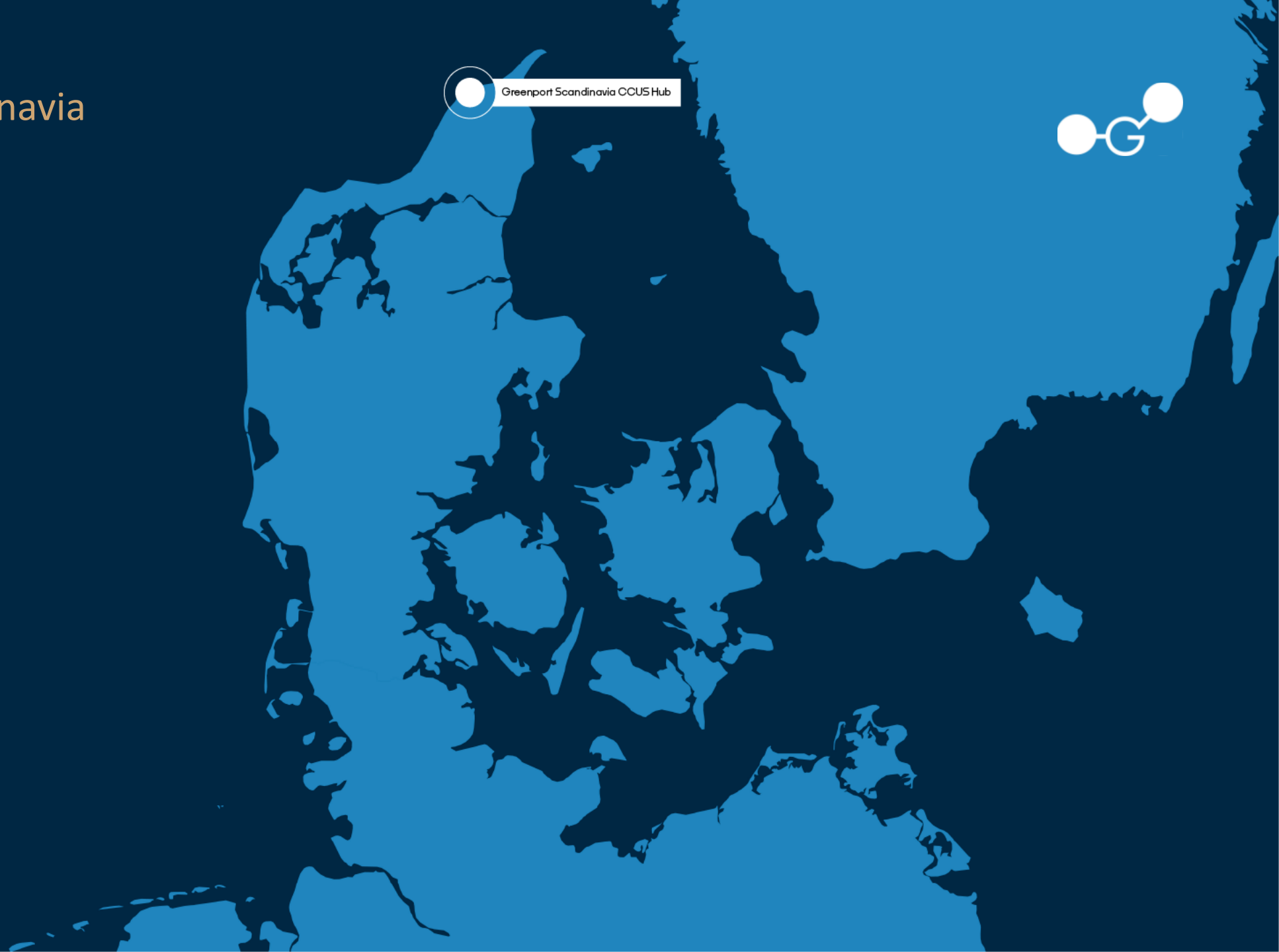


Building import/export CCUS hub in Port of Hirtshals



- Port expansion in progress
- Ideally placed in relation to multiple future storage sites
- Geographically well-placed gateway for import/export hub for CO₂ from Northern Europe

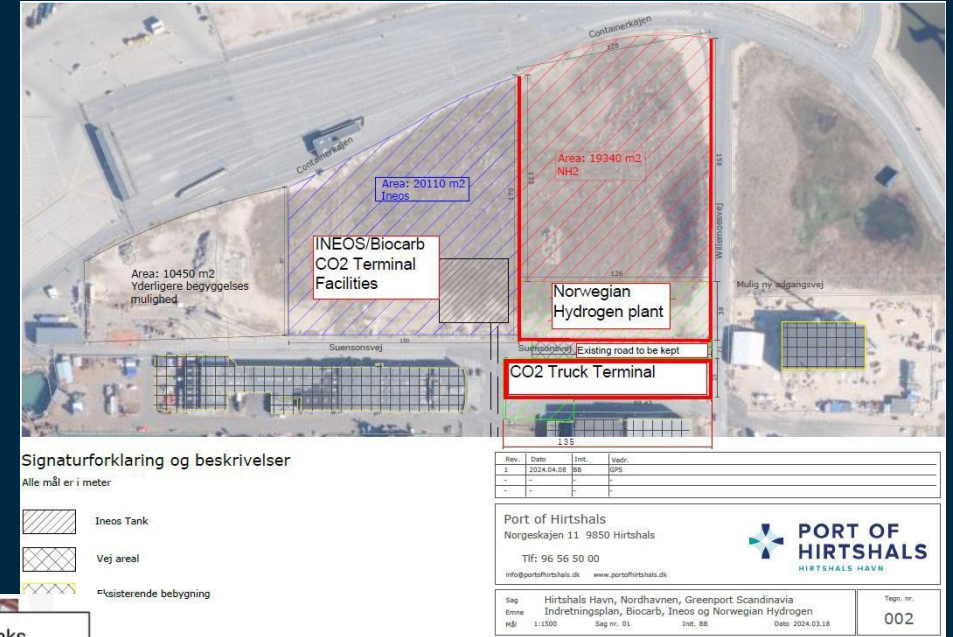
Greenport Scandinavia CCUS Hub



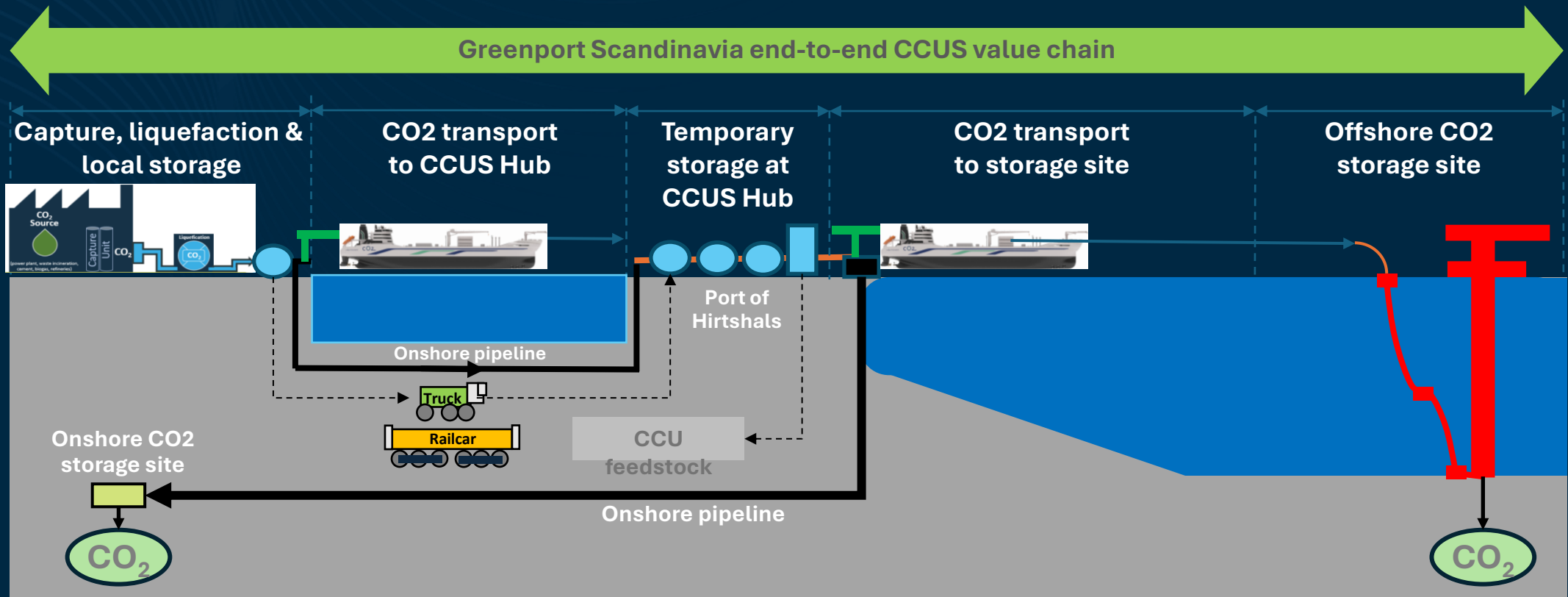
Greenport Scandinavia - Industrial scale



- Collect regional CO2
- Build CO2 terminal in Port of Hirtshals (modular for later expansion)



Greenport Scandinavia – Hub expansion



Greenport Scandinavia CCUS Hub – status today

Greensand

Greenport Scandinavia CCS Hub

Greenstore



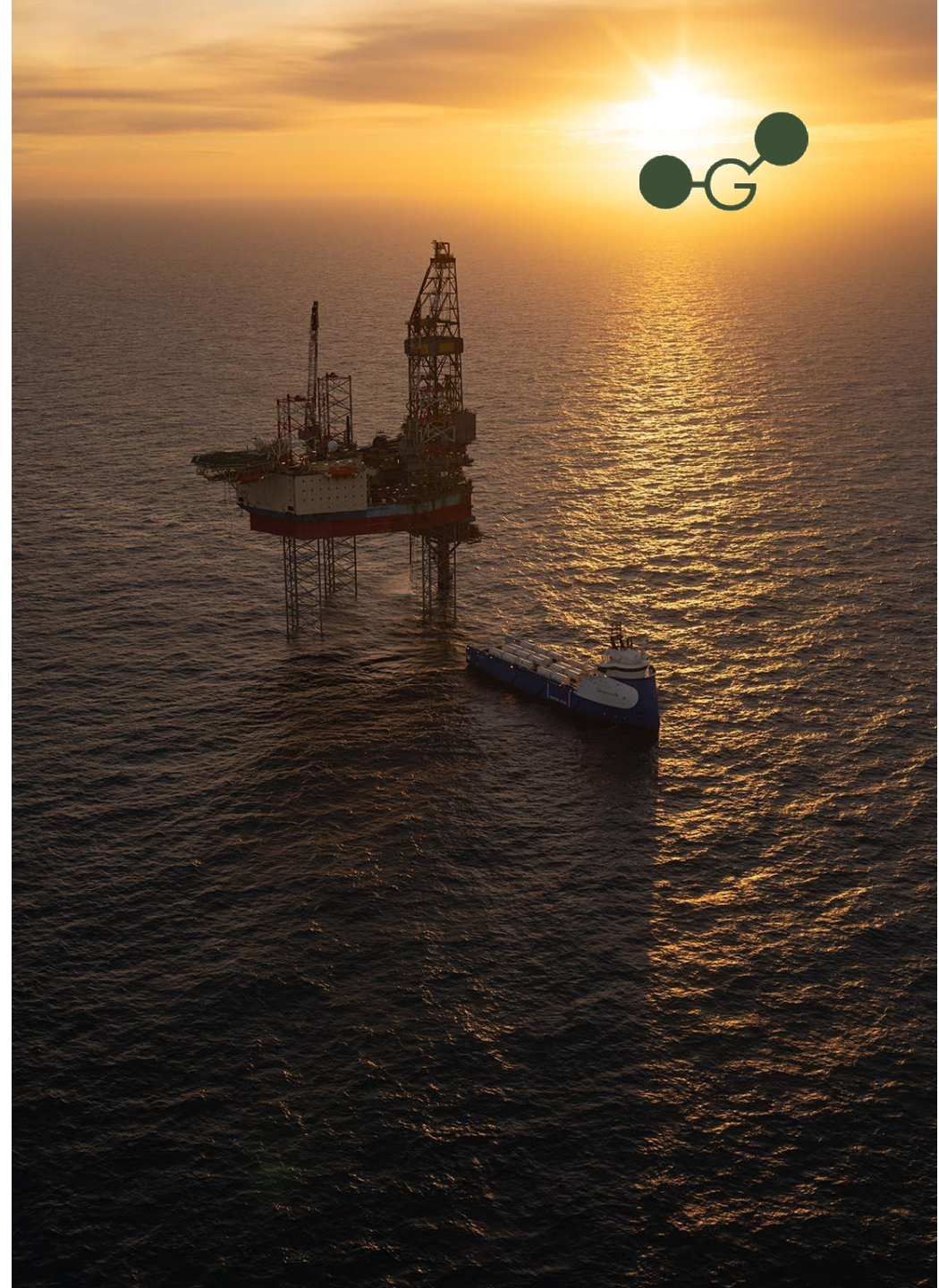
Project Greensand

- Offshore storage of CO2 in the Danish part of the North Sea
- March 2023: First CO2 storage
 - Attended by King Frederik of Denmark, Minister for Energy, Climate and Utilities Lars Aagaard and with video speech by President of the European Commission Ursula von der Leyen
- October 2024: EU Innovation Fund
 - Greensand Future: contributing to EU's CO2 emissions reduction target by establishing critical EU storage capacity

INEOS

 Harbour
Energy

nordso
fonden





Greenstore

- Onshore storage located at Gassum
- Area with geological conditions particularly suitable for safe storage of CO₂
- Exploration licence granted to Ineos & Harbour Energy in June 2024
- Further investigation into storage potential is now taking place
- Storage potentially starting from 2029



Greenport Scandinavia CCUS Hub – next license round



Greensand

Greenport Scandinavia CCS Hub

Greenstore

Thorning



Greenport Scandinavia CCUS Hub + nearshore

Greensand

Inez

Liza

Jammerbugt

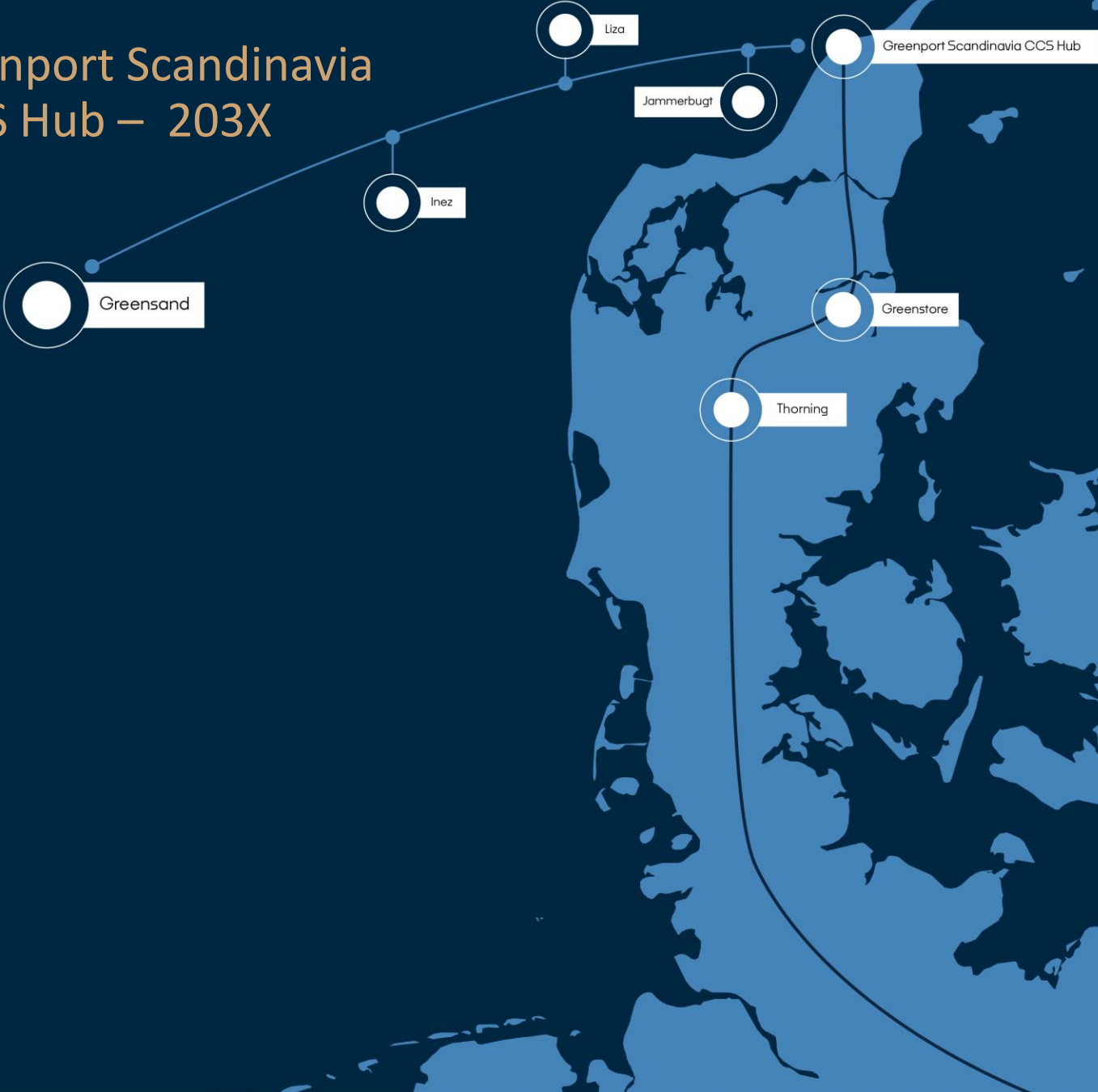
Greenport Scandinavia CCS Hub

Greenstore

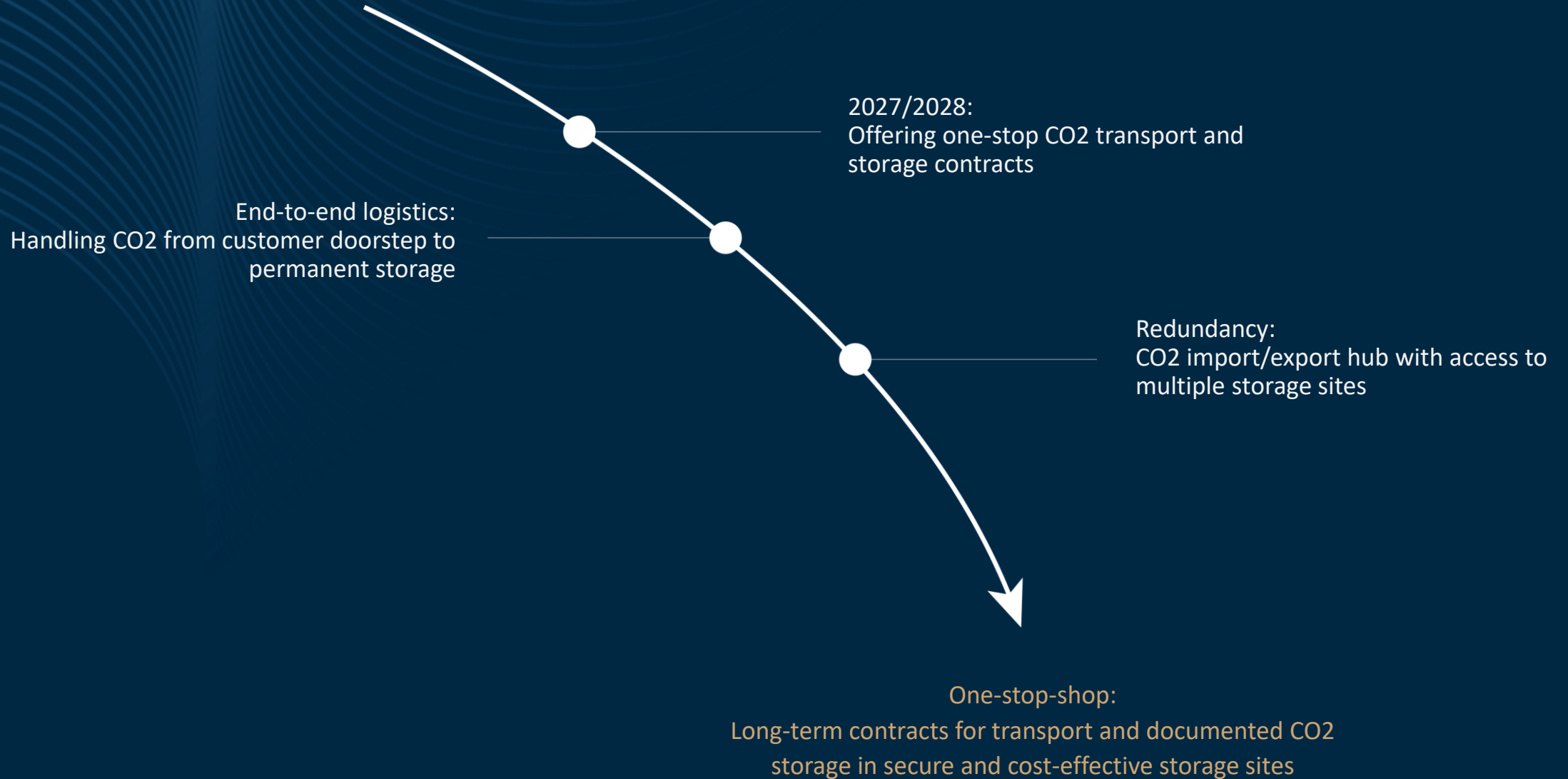
Thorning



Greenport Scandinavia CCUS Hub – 203X



Greenport Scandinavia



3 key points from the presentation

Greenport Scandinavia

- first full end-to-end value chain:

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Thank you for your attention

www.greenportscandinavia.com

Hanne Skovby | Development & Project Executive | Mobile: +45 54 33 51 43 | email: has@greenportnorth.com | www.greenportnorth.com



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