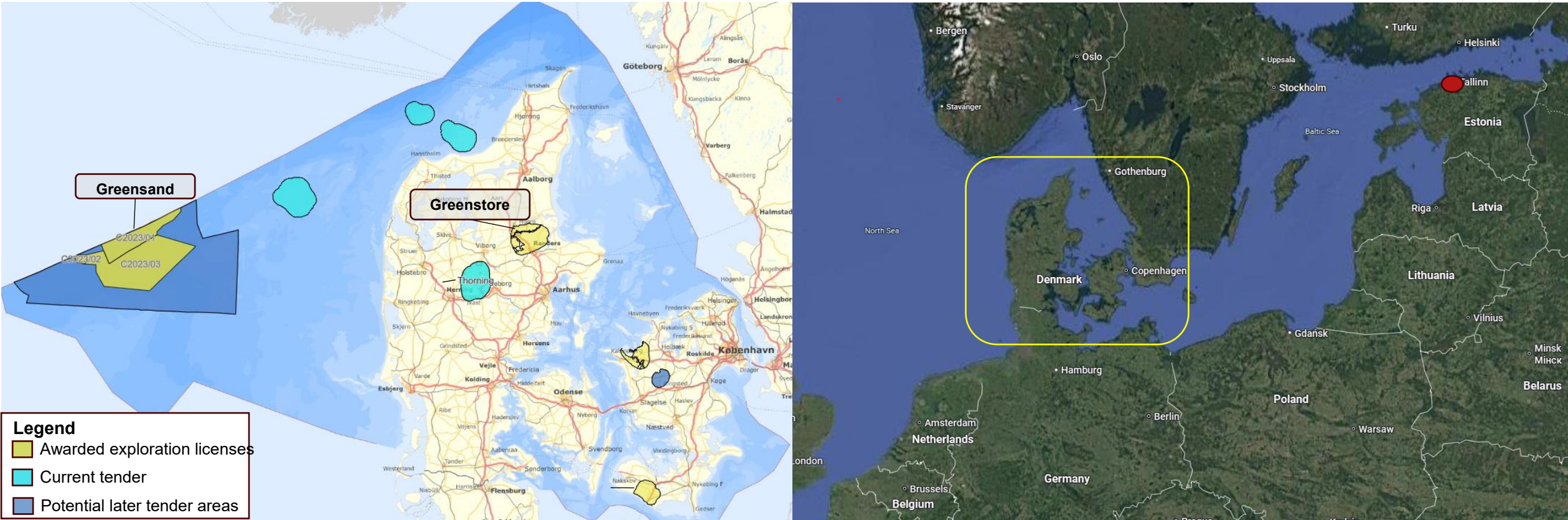


INEOS Energy Denmark CCS T&S activities

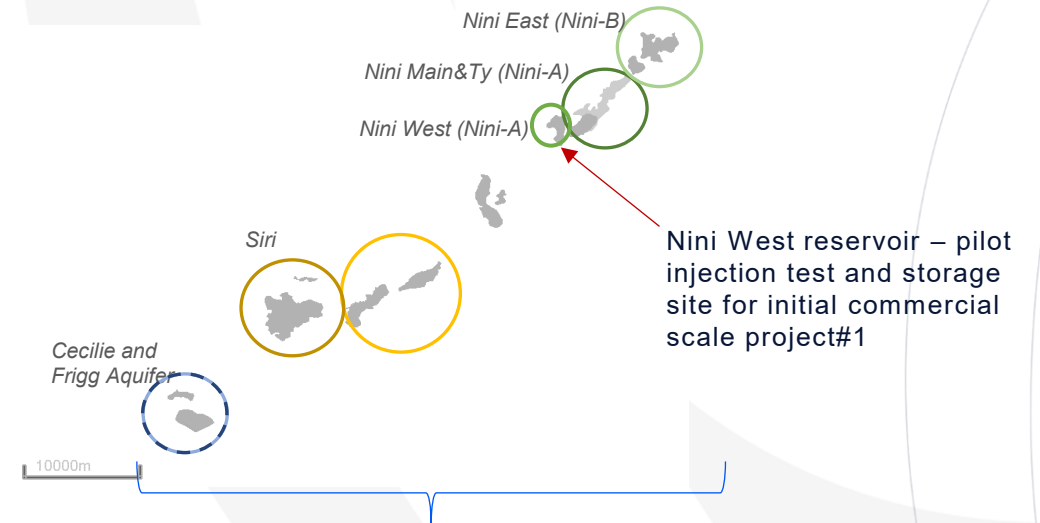
Baltic CCS Conference 2025

Overview of awarded and future exploration license areas in Denmark



Greensand Project – Offshore Transport and Storage of CO₂ Overview

Turning the Siri area oil production area into a CO₂ storage hub



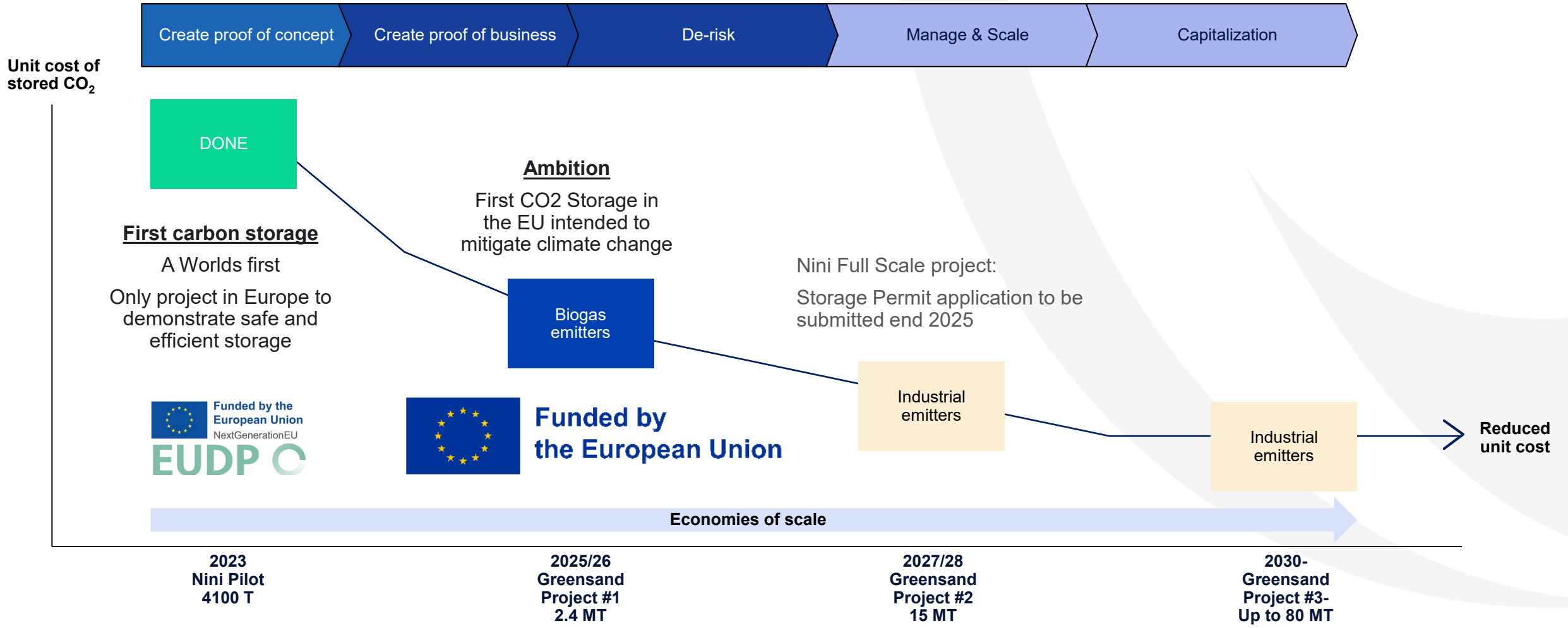
Greensand Greater Expansion Area

Increase Greensand area storage capacity to 4-8 MTPA for 15 years

Greensand JV Partnership

- ❑ INEOS Energy (O) 40%
- ❑ Harbour Energy 40%,
- ❑ Nordsøfonden 20%

Greensand Phased Approach



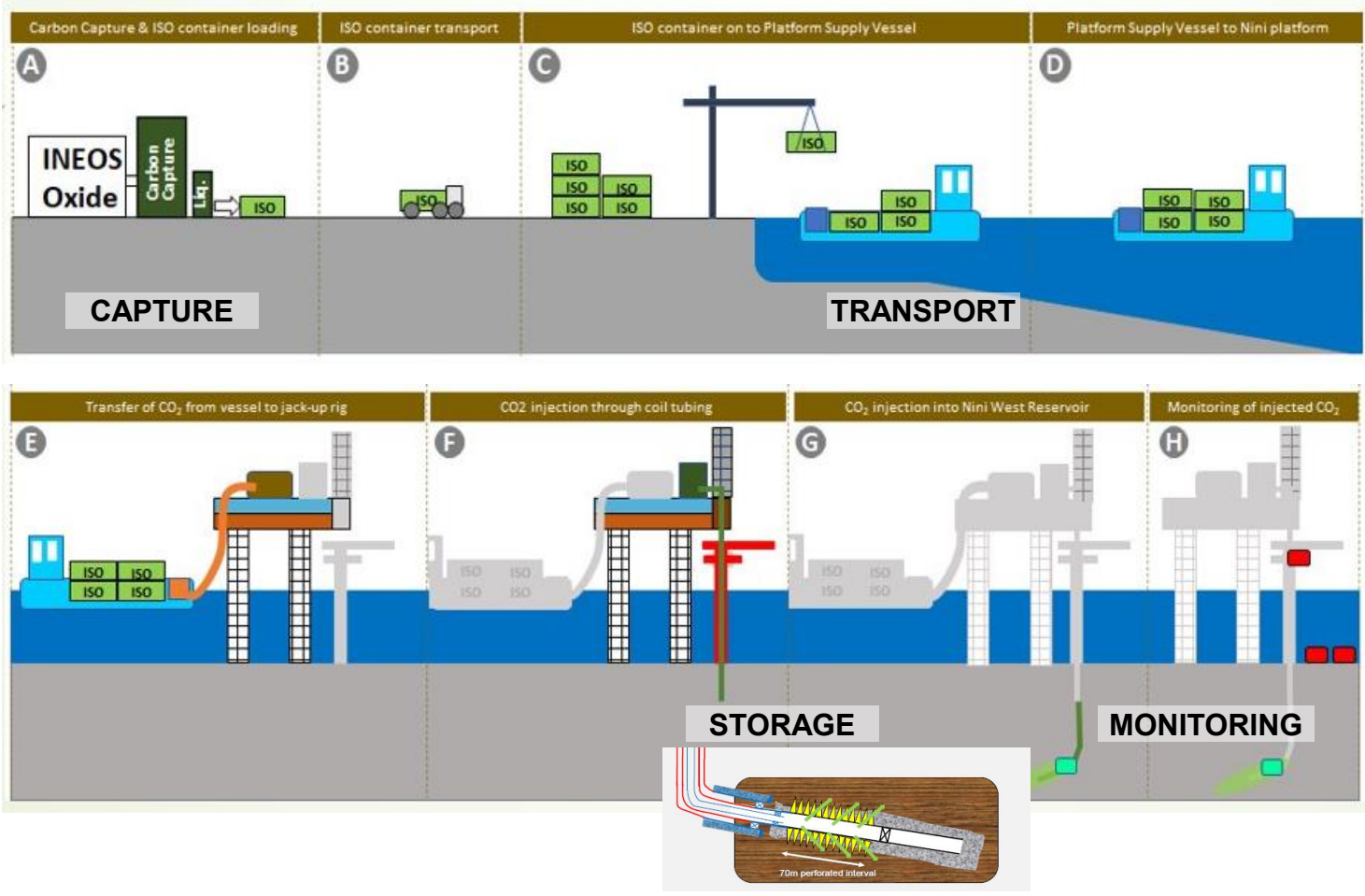
Phase 2 – Proof of Concept

Demonstration of full value chain from capture to storage
+ test of monitoring techniques

Phase 2 Consortium –
23 Companies

The Greensand Phase 2 Consortium Partnership

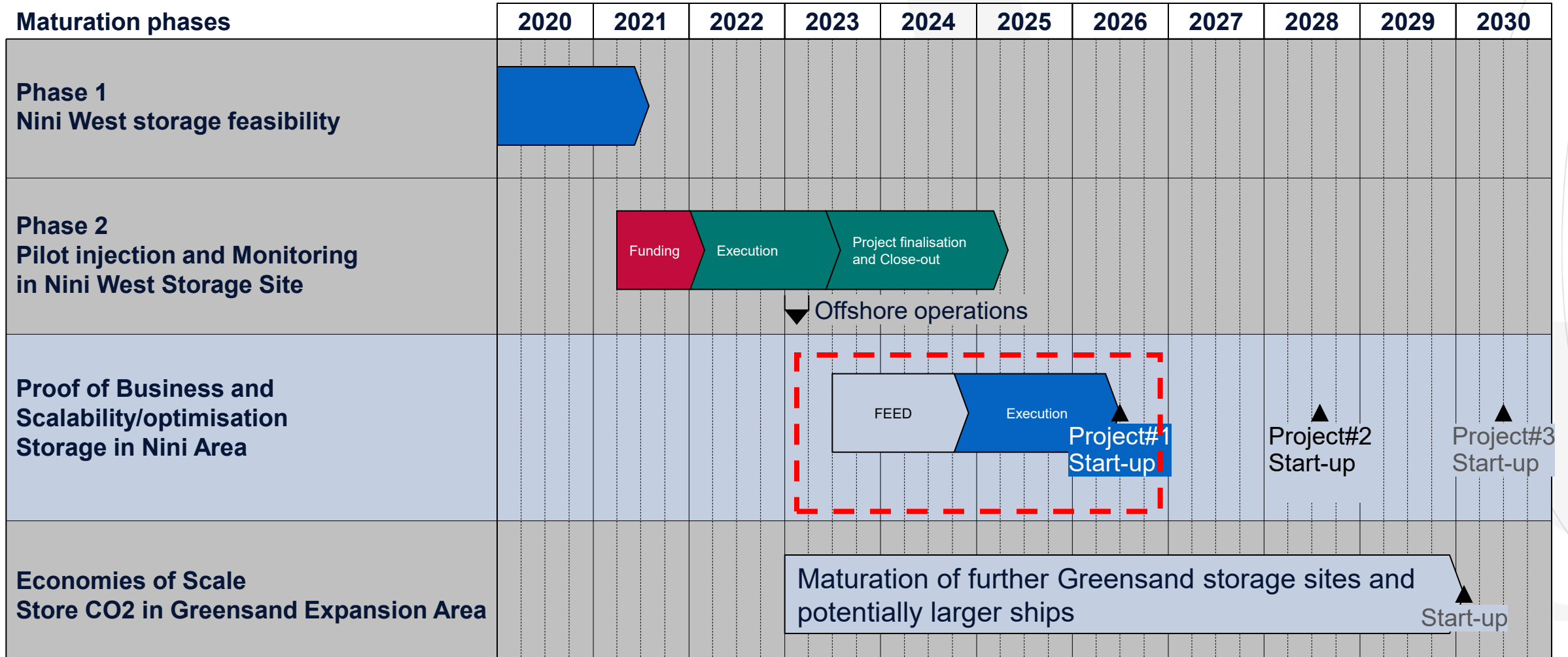
INEOS Energy	wintershall dea	NOBLE	De Nationale Geologische Onderzoeksgesellschaft voor Denemark og Groeland
INEOS Oxide	BLUE WATER SHIPPING	SEMCO maritime	RAMBOLL Bright Ideas. Sustainable change
energy cluster DENMARK	GEEL-MUYDEN KIESE	Welltec	AKER CARBON CAPTURE
Roscn Waves	SpotLIGHT	ESVAGT	DTU Technical University of Denmark
WIND POWER LAB Global Blade Optimisation	magsels fairfield	DHI	UNIVERSITY OF Southampton
			National Oceanography Centre
			DANISH TECHNOLOGICAL INSTITUTE
			Supported by: EUDP





Greensand Project Development Phases

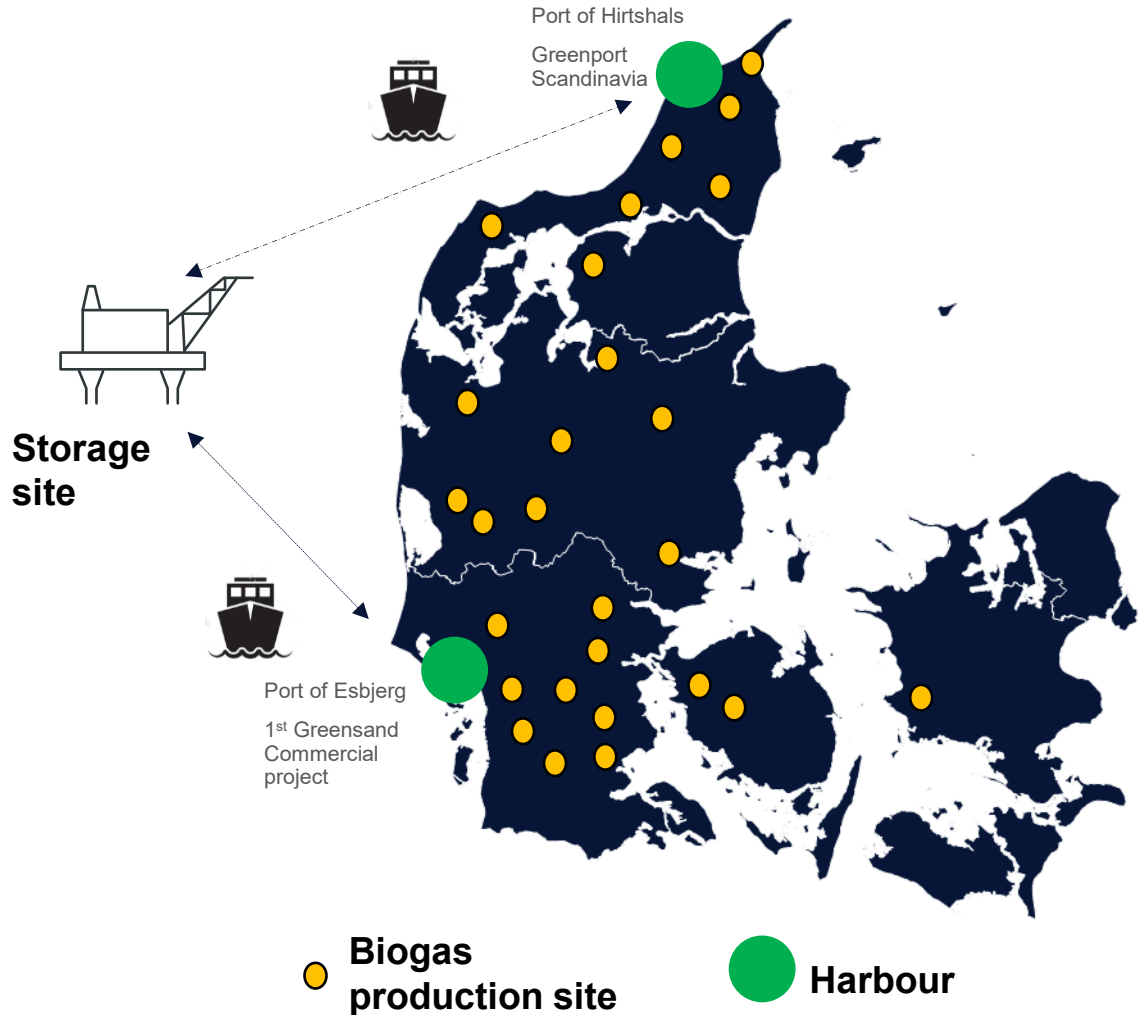
Building competence, mitigate risks and phased economic exposure



Greensand – Commercial Project #1



Funded by
the European Union



Project Description:

- Storage of available biogenic CO₂ from biogas.
- Negative emissions – Carbon credits sale
- Modified bulk carrier design ~5.500 tCO₂/trip (1st Ship)
- Build on Phase 2 pilot learnings – hardware and operation
- Up to 400.000 Tonnes of CO₂ per year (1st Ship from Esbjerg)

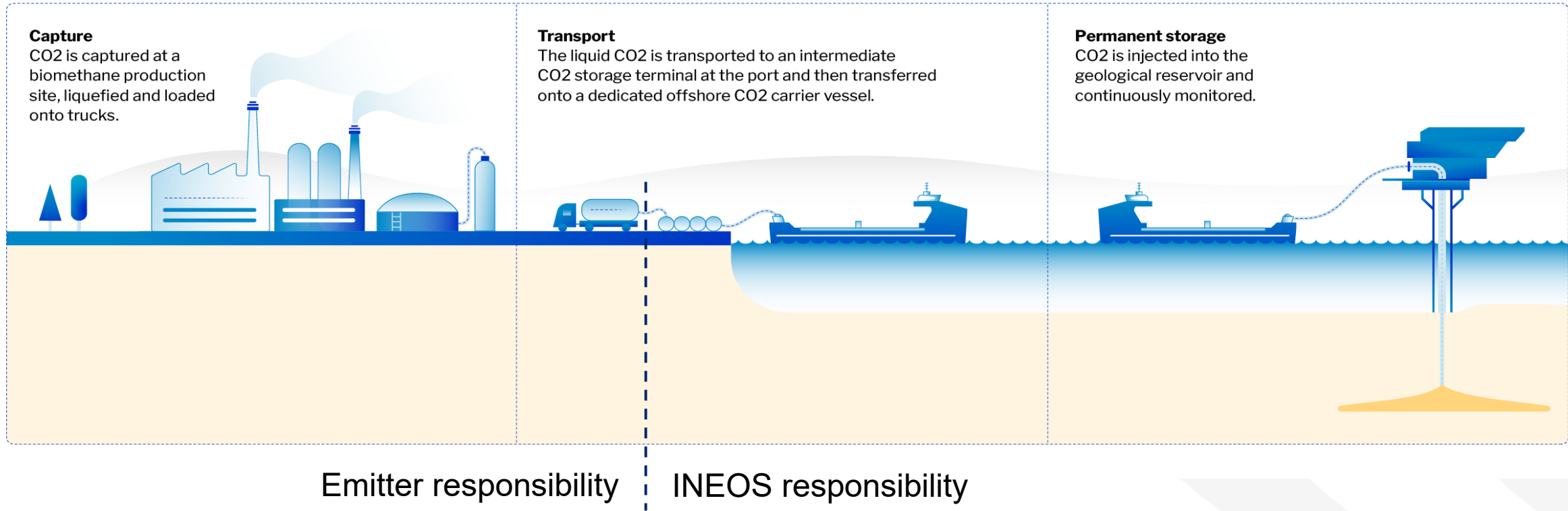
Key Milestones:

- ✓ Submission of storage site application February 2024 to the energy authorities. Approval expected end 2025.
- ✓ DnV: Certificate of Conformity – Site Endorsement and Storage Site compliant with ISO 27914 obtained
- ✓ Funding granted from EUIF in October 2024
- ✓ End 2024: Project sanction, start-up pending necessary approvals
- Mid-2026: First CO₂ injection and permanent storage.

Commercial Project #1 Concept



Funded by
the European Union



Interim CO2 Storage and Vessel

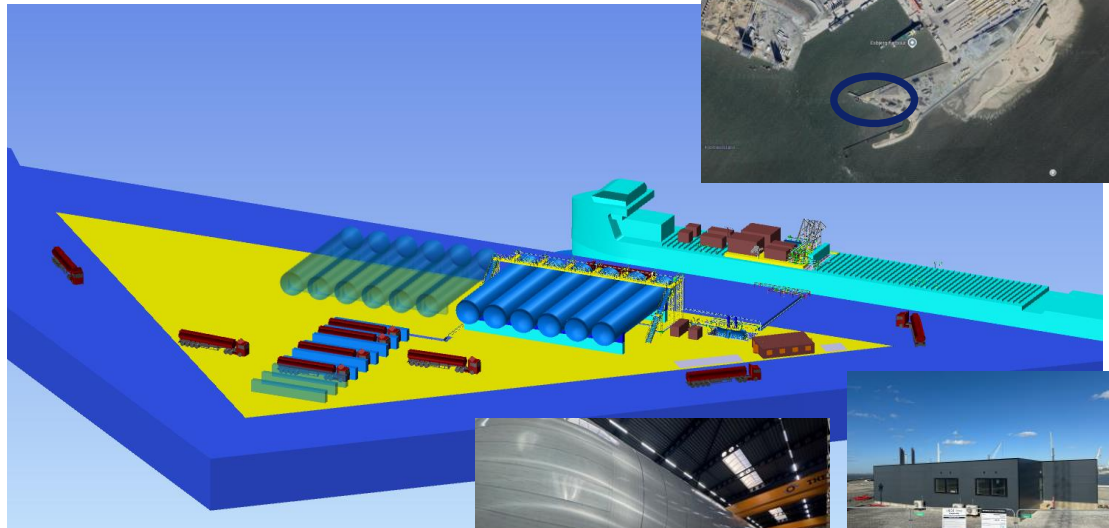


Funded by
the European Union



Port of Esbjerg

- Storage for full ship size cargo 6000 ton
- Additional capacity for weather delays
- Simultaneous truck handling (6 stations)
- Automated and normally unattended



Vessel – CO2 Injection features ~5.500 tCO2/trip

- CO2 discharge system
- DP2 system
- HP Pumps
- Heater

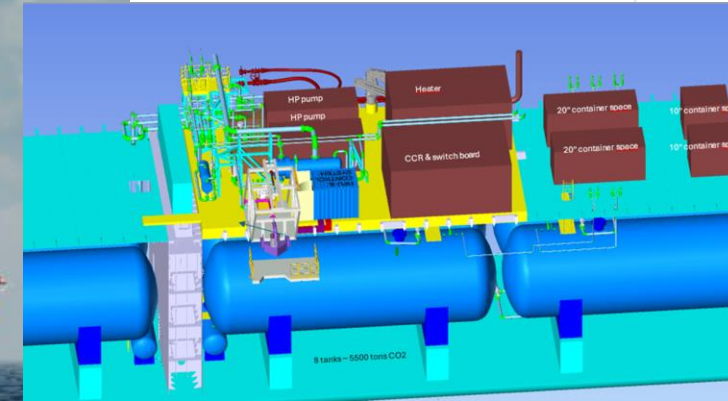
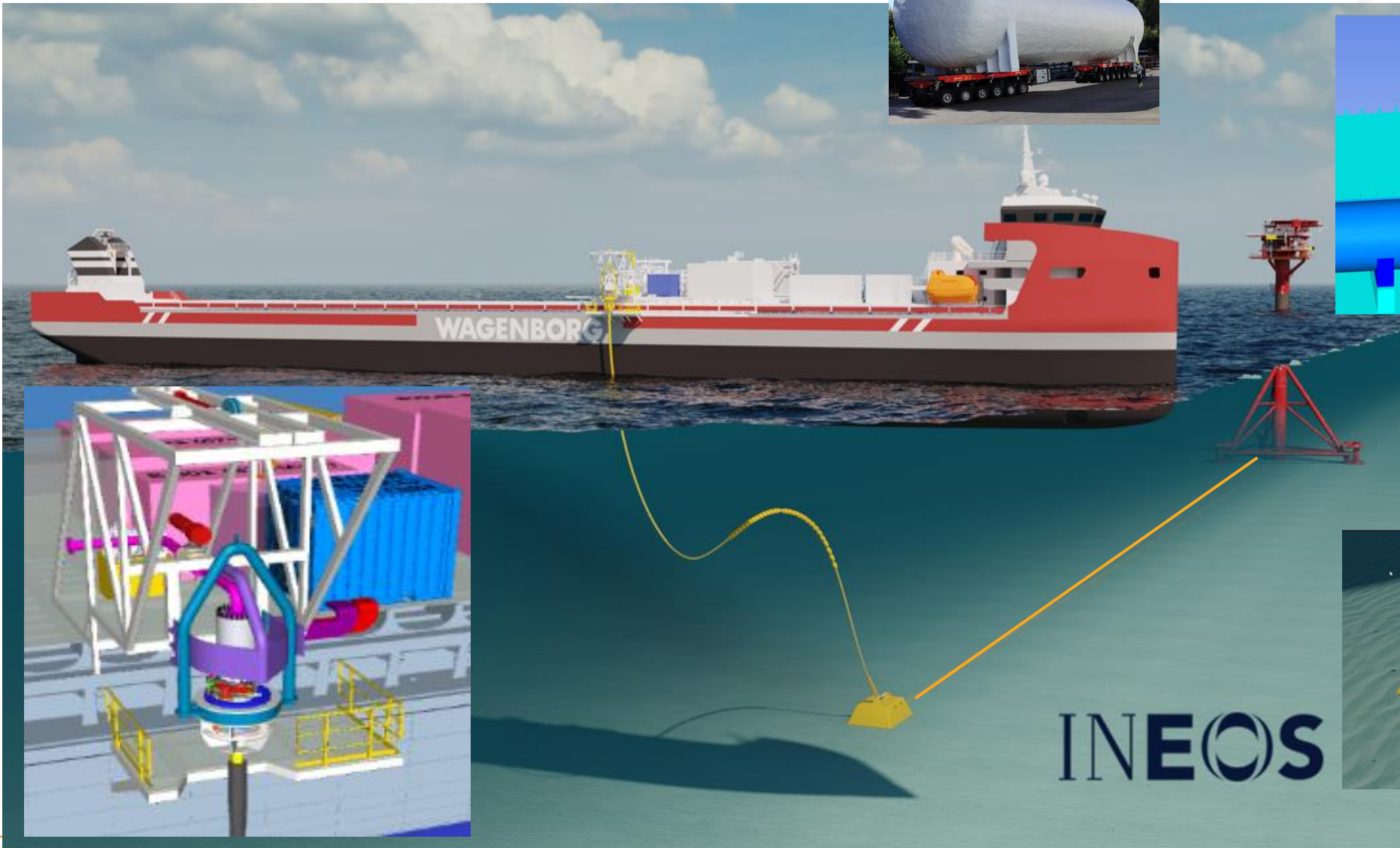


Offshore injection

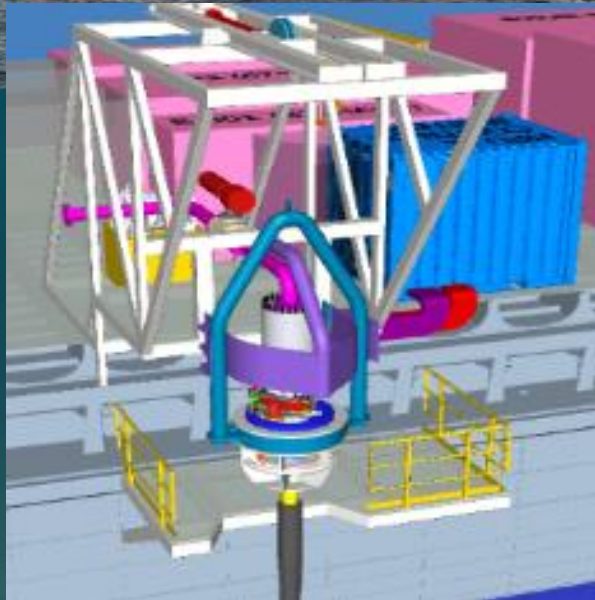


Funded by
the European Union

GREEN
SAND

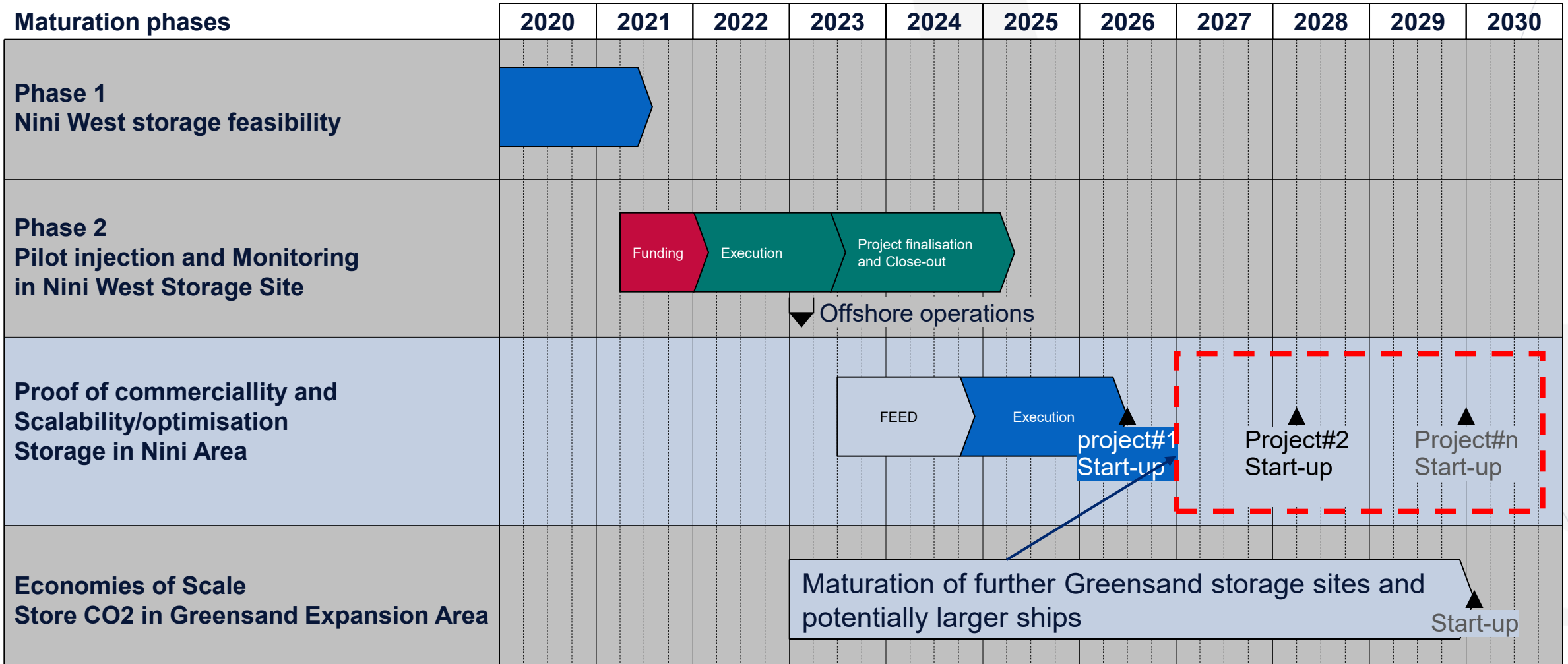


300 m static line/hose from Nini
130 m Dynamic riser hose
10 tons PLEM

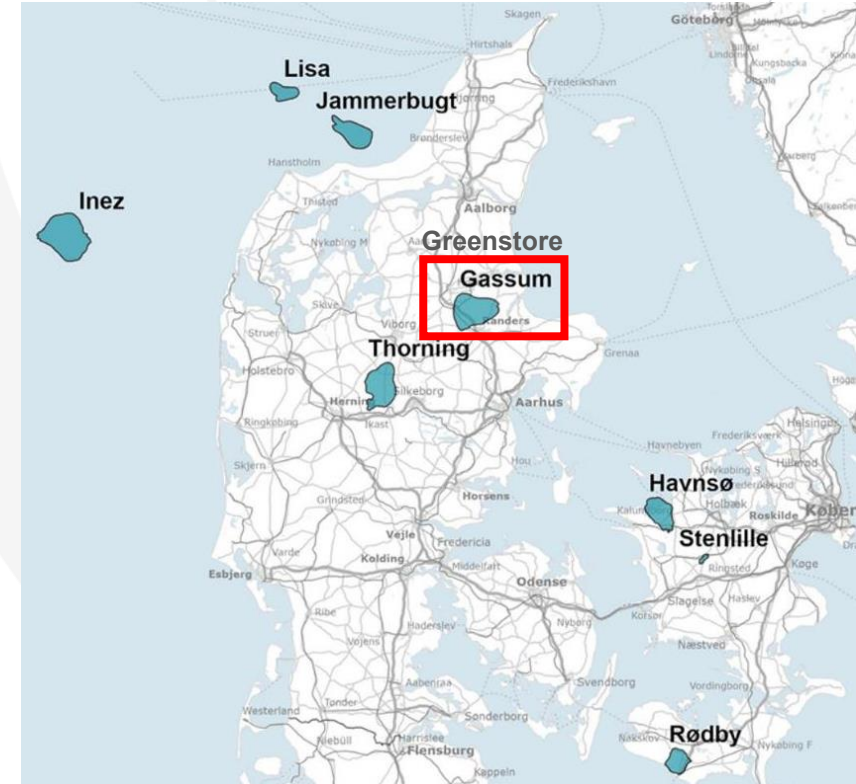


Greensand Project Development Phases

The next phases



Greenstore Project - Onshore CO2 storage

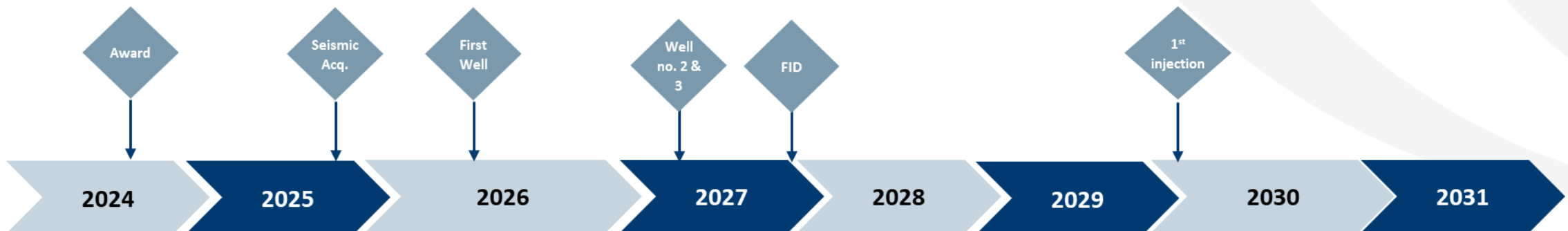
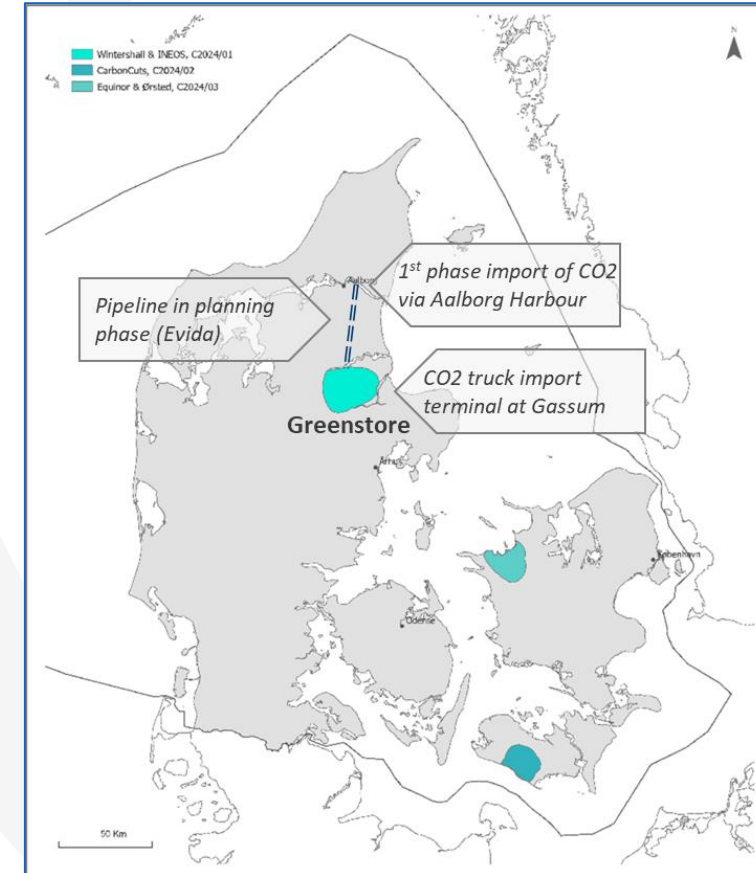


Greenstore JV Partnership

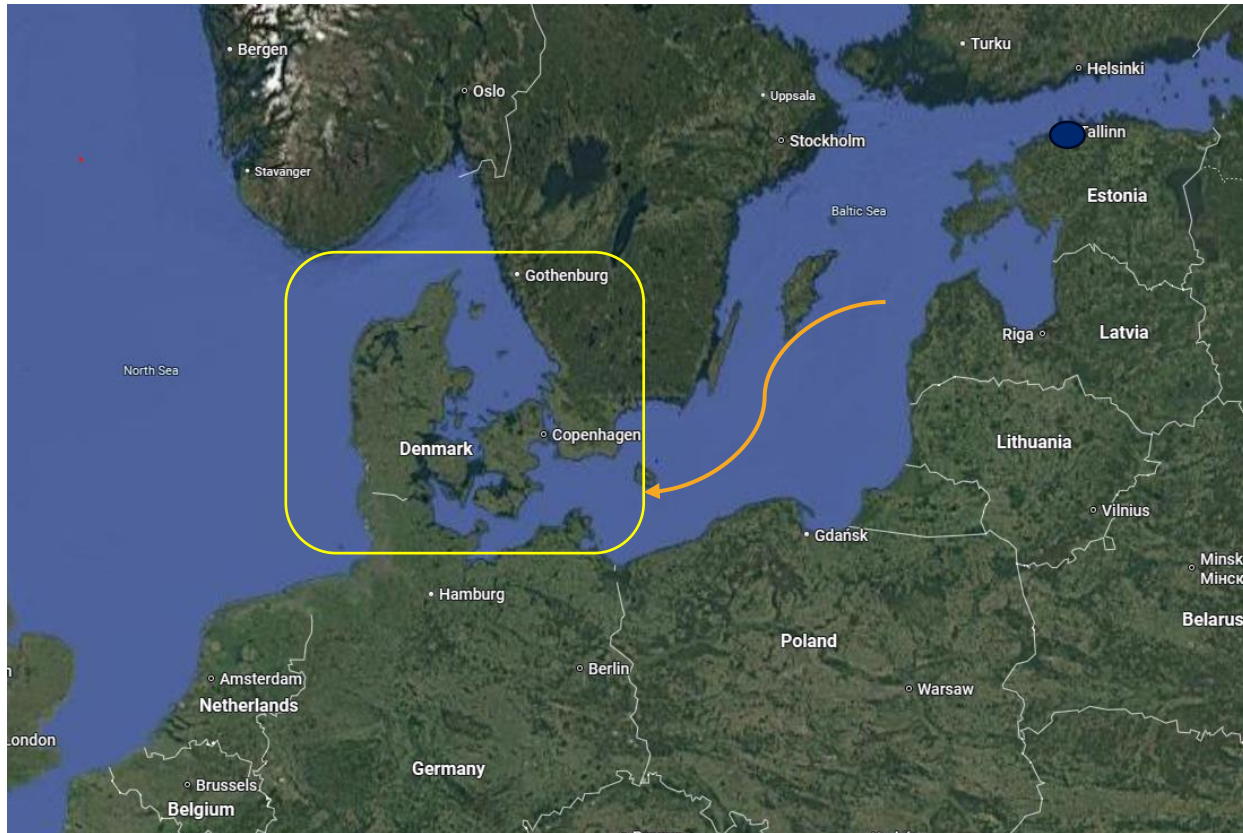
- ❑ Harbour Energy (O) 40%,
- ❑ INEOS Energy 40%
- ❑ Nordsøfonden 20%

Greenstore – awarded July 2024

- One well drilled on top of structure – min. 2 geological formations identified as suitable for aquifer CO2 storage
- Main commitment programme includes 2D/3D seismic acquisition and drilling of 3 wells – potentially designed as future injector wells
- Danish CCS subsidiary tender ongoing to end 2025 – award of funding (OPEX) to Danish CO2 emitters expected Q2, 2026
- Initial development concept includes import of CO2 via port connected pipeline (5-6 MTPA capacity dense phase) and by trucks
- Injection capacity 0.5-1.5 mill tonnes/well
- Storage capacity: 100++ MT



Thank you for your attention



- ❑ Multiple CO2 storage sites being developed
- ❑ 2 commercial projects COD in 2026 (Greensand & Ørsted)
- ❑ Several CO2 import terminals in the making

INEOS
Energy

Søren Reinhold Poulsen

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