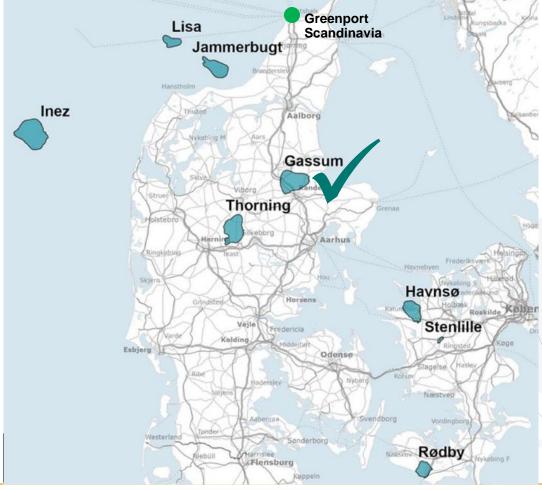
INEOS Energy Denmark CCS activities





CO2 Exploration in Denmark – Gassum (now renamed to Greenstore) awarded to Harbour Energy, INEOS and Nordsøfonden







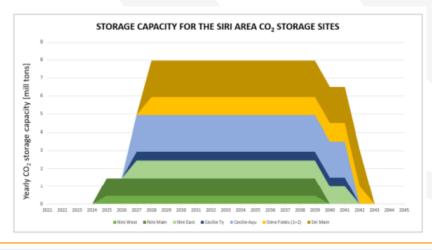
Greensand Project – Offshore Transport and Storage of CO2 Overview



- Use of Siri Area for CO₂ storage INEOS has experience and huge data set from exploration and production activities in Siri Area over more than 20 years
- EUDP Phase 2: Offshore Pilot CO2 Injection and Monitoring test in 2023, lab work, modelling, materials testing, etc to support potential storage site application
- Initial Greensand work focused on CO₂ storage in Nini West Proof of commercial Scale/Greensand Commercial Project#1
- Greater Greensand Expansion Area includes remaining Siri area suitable reservoirs harvest economies of scale

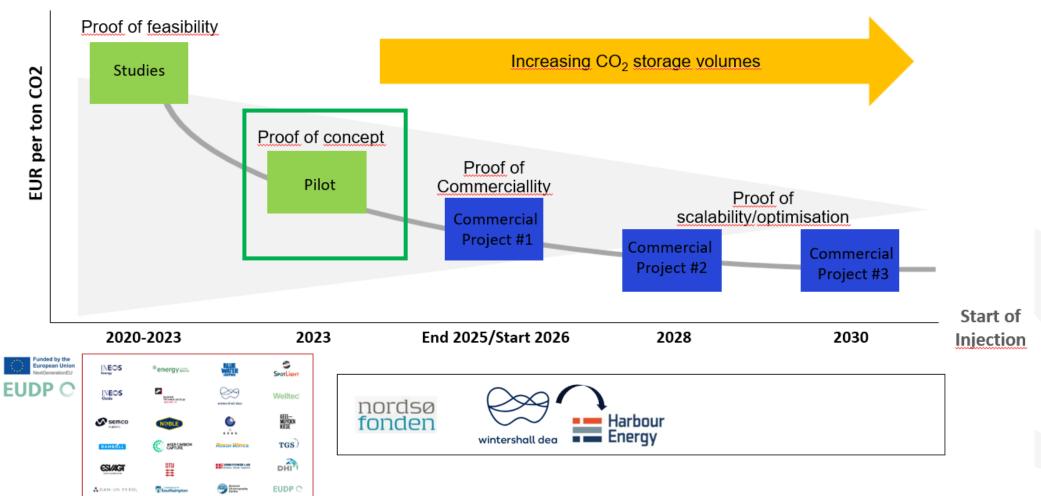


Greensand Greater Expansion Area

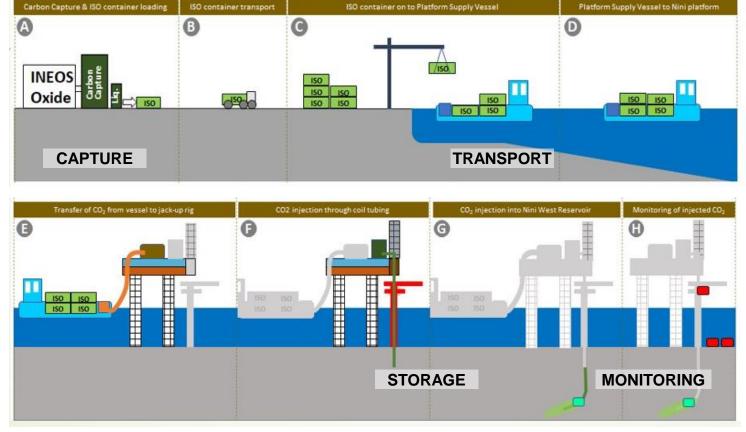




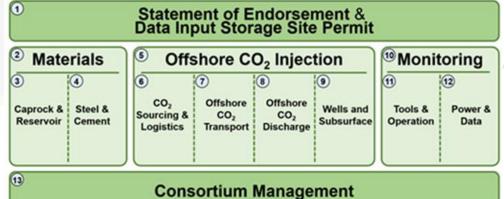
The Greensand Phase Approach Journey: Build Competence, Learnings and Scale Up Commercial CO₂ Storage Capacity



Phase 2 – Proof of Concept



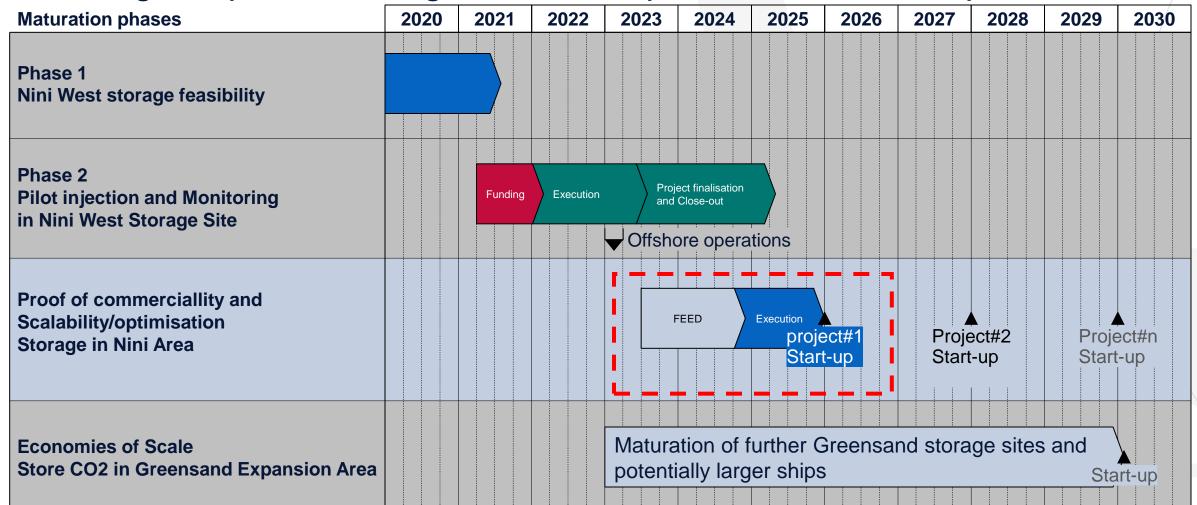
Demonstration of full value chain from capture to storage + test of monitoring techniques





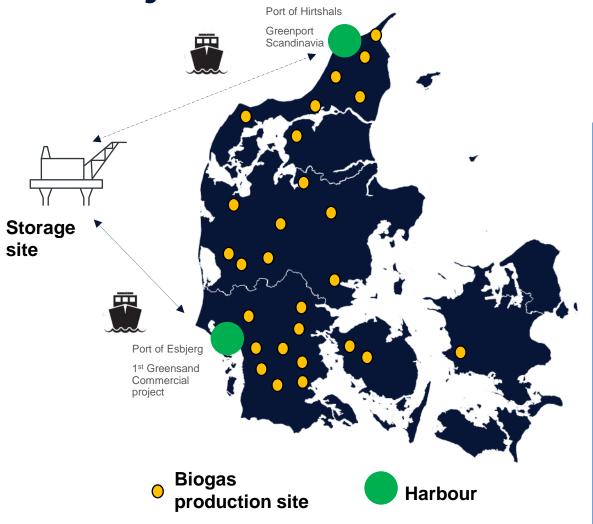


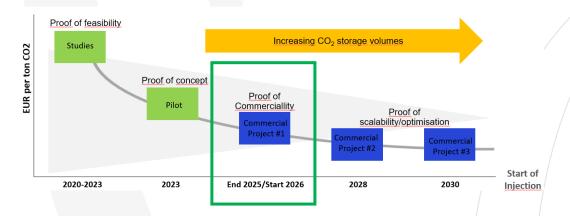
Greensand Project Developent Phases Building competence, mitigate risks and phased economic exposure





Greensand – Commercial Project #1





Opportunity:

- 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
- 400.000 Tonnes of CO2 per year (1st Ship from Esbjerg)

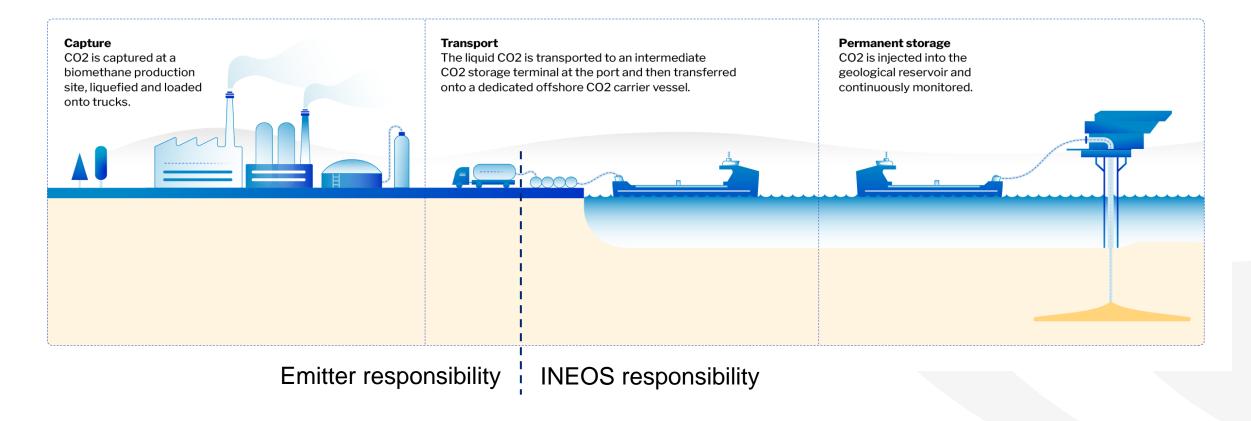
Key Milestones:

- Submission of storage site application February 2024.
- 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 expected, pending necessary approvals
- End 2025/Start 2026: First CO₂ injection and permanent storage.



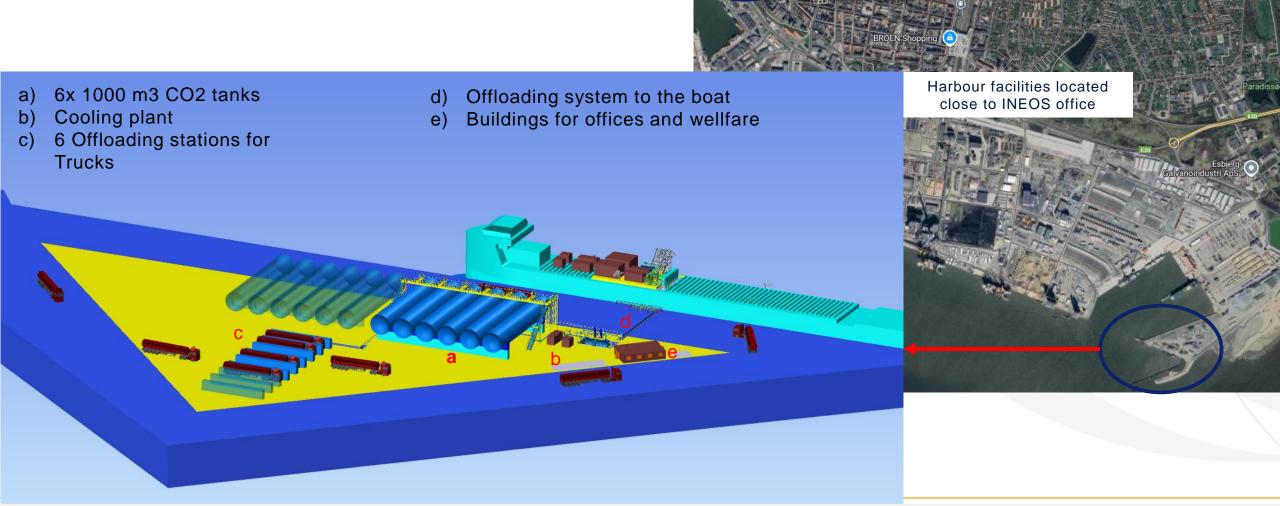


Greensand Future Concept





Intermediate storage at Esbjerg Port (6000 m3 CO2)



Offshore transportation by Ship



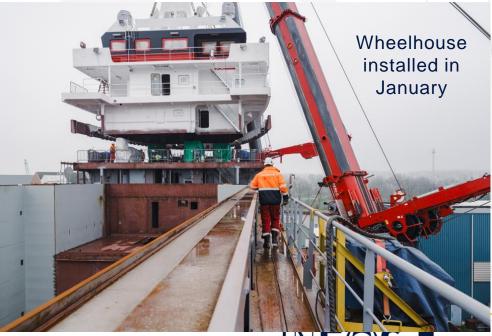
CO2 deck

- 2 HP pumps
- CCR and Switch board room
- Heater
- Heat exchanger

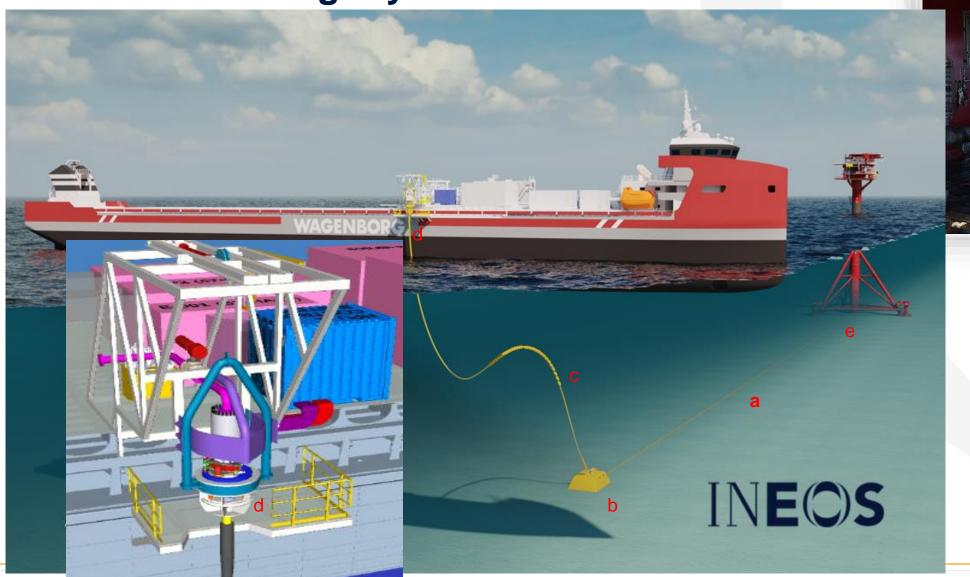
Below deck

- 8 CO2 tanks below deck (5500 T)
- Suction vessel
- Transfer pumps





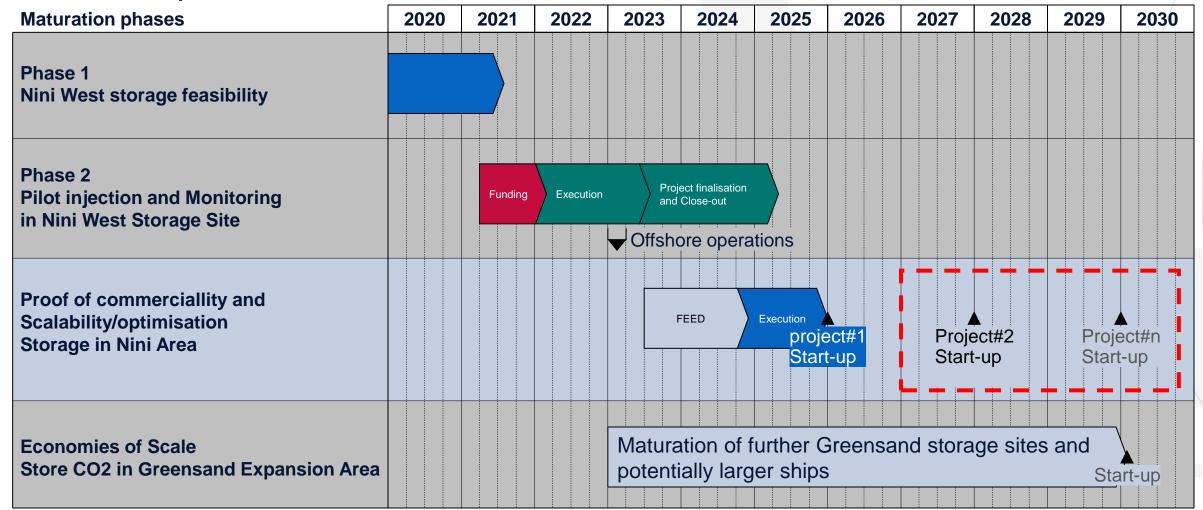
Offshore discharge system





Greensand Project Developent Phases

The next phases





Thank You for your attention

INEOS Energy

Søren Reinhold Poulsen

Head of Producing Asset and CCS, Denmark

e: soeren.reinhold.poulsen@ineos.com

