Greensand Project Status
Safe CO₂ Offshore Transport and Storage Project in the North Sea

A CCS project by INEOS Energy, Wintershall Dea and Nordsøfonden

Visit www.projectgreensand.com
Greensand Project Overview

Turning the Siri area into a CO₂ storage hub

Disclaimer: Map produced by Greensand Project based on available public data, not complete and only illustrative
# Greensand Project Phases and Timelines

Harvesting the economies of scale developing a CCUS Hub

<table>
<thead>
<tr>
<th>Phase 1</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
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<th>2029</th>
<th>2030</th>
<th>Storage Capacity</th>
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<tr>
<td>Phase 2 - Pilot (Nini West)</td>
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<tr>
<td>Full Scale (Nini West/Main)</td>
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<td>Start Storage</td>
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<td>Up to 1.5 MTPA</td>
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<td>Siri Fairway Expansion Project</td>
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<td>Up to 8 MTPA</td>
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Phase 2 to be discussed in the afternoon
Greensand Project – Full Scale Concept Selection Phase
Project Activities in Progress – Proof of industrial scale

- Well Design – new vs. re-use, P&A philosophy
- Ship design – size, power, P&T
- Ship Offloading System
- Platform modification on Nini
- Metering set-up
- Monitoring Plan – During and post injection
- Permitting – PDO and EIA
- Commercial model vis-a-vis the CCS value chain
- Verification (ISO 27914, EU Directive, National Laws)
- CO2 specification
- Etc.
Greensand Project teaming up with Greenport Scandinavia
Creating a CC(U)S hub to Harvest the economies of scale

Port of Hirtshals (PoH) 2.0
Greensand Project teaming up with Greenport Scandinavia
A strong partnership to deliver the GPS Project

MoU partners:
• Greenport North (GPN) – PM office
• Port of Hirtshals
• Evida
• BioCarb Solution
• INEOS Energy
• Wintershall Dea

Continuos strengthening through:
• New Partners
  • Ålborg Portland
• Associated Partners
Greensand & Greenport Scandinavia Ambitions
Road Map to lower unit costs considering risks and market uncertainty

- **Pre- and FEED studies**
- **Greensand Full Scale**
- **Industrial DK+EU Emitters (Hub establishment)**
- **Industrial DK+EU Emitters (Hub expansion)**
Thank you for your attention