

Project Greensand Phase 2, The First Full Value Chain Climate CCS Pilot Project in Europe. Johan Byskov Svendsen – INEOS Oil & Gas



- Project Greensand will be the first Full offshore CCS Pilot
- ➤ Nini A Platform can deliver storage of ½-1½ mtpa by 2025
- Siri Area can deliver 8mtpa by 2030



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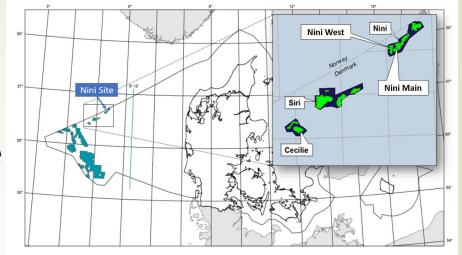








Siri Area Available infrastructure













15 October 2021

Project Greensand

Project Greensand – CO₂ storage in depleted oil fields

Available data and infrastructure allow for cost-effective storage by 2025





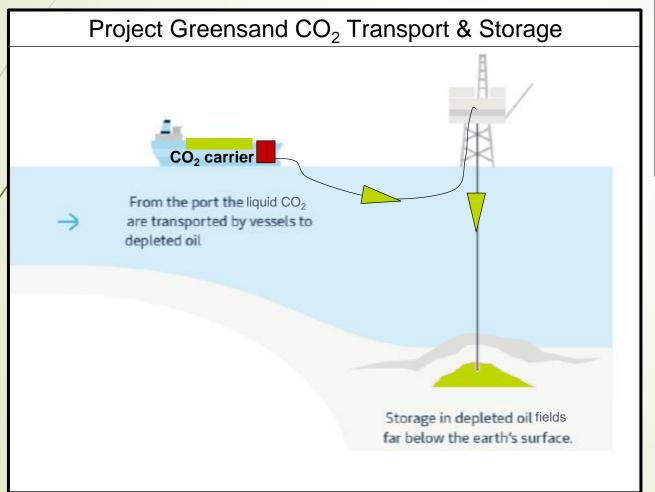




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Project Greensand – CO₂ storage in depleted oil fields

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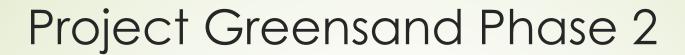
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Phase 1 Showstoppers ? Main risks Phase 2 Reduce/mitigate risks Phase 3
Full Scale
Development

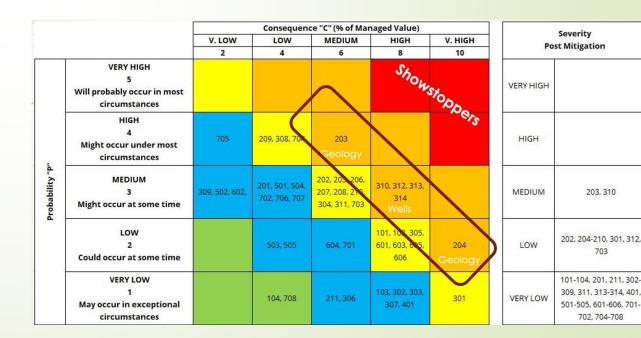
		Consequence "C" (% of Managed Value)					
		V. LOW	LOW 4	MEDIUM 6	HIGH 8	V. HIGH 10	
	VERY HIGH 5 Will probably occur in most circumstances				Show	Stopper,	
	HIGH 4 Might occur under most circumstances	705	209, 308, 704	203 Geology		~e _r	
- Company	MEDIUM 3 Might occur at some time	309, 502, 602,	201, 501, 504, 702, 706, 707	202, 205, 206, 207, 208, 210, 304, 311, 703	310, 312, 313, 314 Wells		
	LOW 2 Could occur at some time		503, 505	604, 701	101, 102, 305, 601, 603, 605, 606	204 Geolog	
3	VERY LOW 1 May occur in exceptional circumstances		104, 708	211, 306	103, 302, 303, 307, 401	301	

Severity Post Mitigation					
VERY HIGH					
HIGH					
MEDIUM	203, 310				
LOW	202, 204-210, 301, 312, 703				
VERY LOW	101-104, 201, 211, 302- 309, 311, 313-314, 401, 501-505, 601-606, 701- 702, 704-708				





- More laboratory experiments
- Pilot injection of 1/10 volume can address the large-scale risks
- Development of cost-effective monitoring technologies

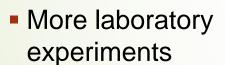


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 Pilot injection of 1/10 volume can address the large-scale risks Development of cost-effective monitoring technologies



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Statement of Endorsement & Data Input Storage Site Permit

- Materials
- More laboratory experiments
- Offshore CO₂ Injection
 - Pilot injection of 1/10 volume can address the large-scale risks

- Monitoring
- Development of cost-effective monitoring technologies

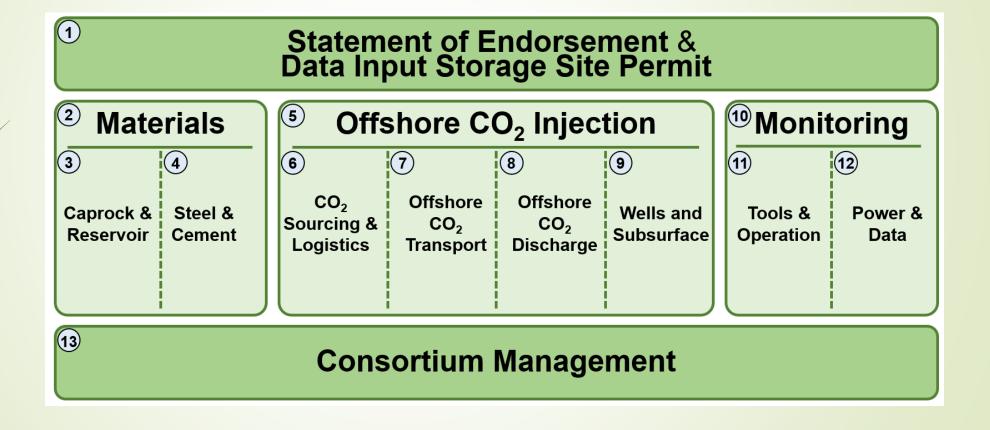
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Consortium Management





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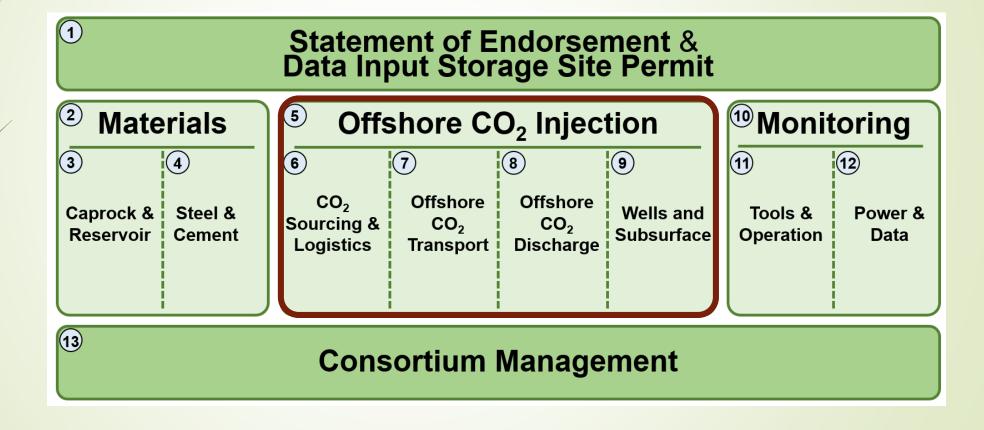








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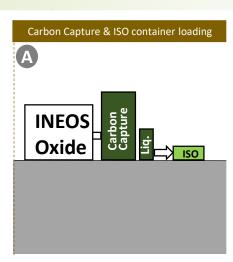






Project Greensand Phase 2: Offshore Pilot

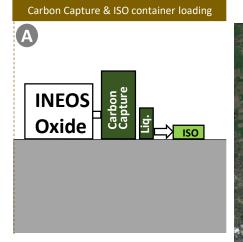


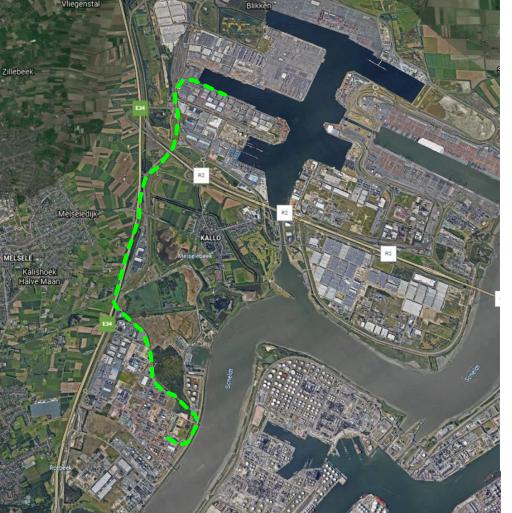




Project Greensand Phase 2: The Capture









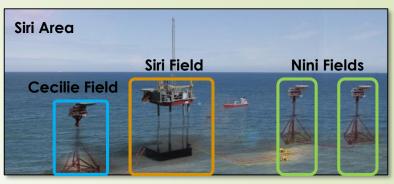


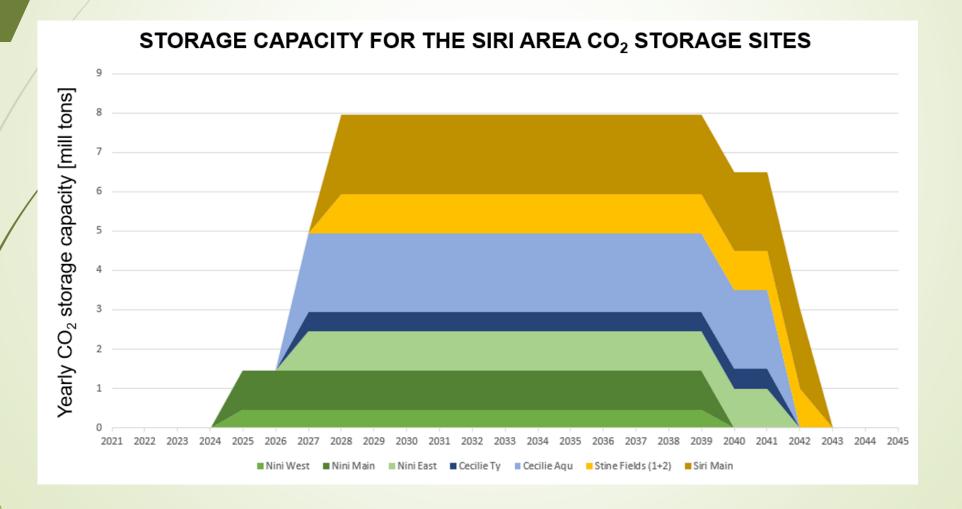


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Siri Area 40% of the Danish CO₂ Reduction Target







Thank you for your attention

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How to Achieve Carbon Removal (CDR) and Negative Emissions From Waste Handling Johan Byskov Svendsen – INEOS Oil & Gas