

wintershall dea

PRESS RELEASE

OFFSHORE CCS PLANNED BY 2025 AT PROJECT GREENSAND

- Consortium with Wintershall Dea moving ahead to pilot injection phase
- Potential to store up to 8 million tonnes of CO₂/pa in Danish North Sea, a quarter of Denmark's CO₂ emissions
- Greensand is one of Wintershall Dea's portfolio of CCS and hydrogen projects

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Kassel/Hamburg. The Project Greensand CCS Consortium in Denmark is moving decisively ahead. In the upcoming pilot phase the consortium will demonstrate that CO₂ can be injected into the offshore Nini West reservoir in a cost-effective and environmentally safe manner.

The consortium believes the project may in future be able to safely store up to 8 million tonnes of CO₂ per year, equivalent to a quarter of all Danish emissions.¹ Wintershall Dea, Europe's leading independent gas and oil company, is a core member of the consortium and has decades of experience in the relevant fields.

CCS receives significant political support in Denmark, with the Danish parliament identifying the technology as a crucial means to meet the

¹ 32.08 million tonnes, 2019. Source: Our World in Data, University of Oxford.



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country's emissions targets. Project Greensand alone could potentially deliver all the CO₂ storage envisaged in the Danish Climate Programme.

The pilot targets first offshore injection by late 2022. Emissions will be captured at the Danish cement producer, Aalborg Portland, and transported to the Nini West reservoir by ship. If successful, the pilot would lead to full-scale CO₂ storage in the Nini West field by 2025, subject to the right funding and regulatory conditions.

The Nini West reservoir is located in the Siri Area in the Danish North Sea. Overall, the area is expected to hold storage potential of 0.5-1 million tonnes of CO₂ per year by 2025, increasing to a potential 4-8 million tonnes of CO₂ per year by 2030.

As Chief Technology Officer Hugo Dijkgraaf explains, Greensand is an important project for Denmark and Europe: "With this CCS project we can safely store unavoidable industrial emissions, enabling a clean and successful future for European industry. It's a win-win for climate protection and the economy."

CCS is also important for Wintershall Dea itself, as Dijkgraaf continues: "Alongside hydrogen, CCS is crucial to meeting our targets for emissions reduction. Wintershall Dea already has world-class offshore and subsurface expertise. The Project Greensand pilot will be a leap forward



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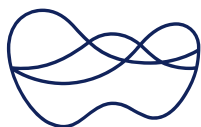
for our practical understanding of safe and environmentally-secure CCS implementation.”

Project Greensand is one of several CCS and hydrogen projects Wintershall Dea is advancing in support of the climate targets set out in its Energy Transition Pathway. The company is exploring CCS possibilities in Norway, the Netherlands and Germany; has recently invested in hydrogen start-up HiiROC; and has a methane pyrolysis research partnership with the Karlsruhe Institute of Technology.

Wintershall Dea knows the reservoir characteristics at Nini West well, having operated there for decades. The company is a core member of the Project Greensand Consortium, alongside INEOS Oil and Gas Denmark, and 30 other companies and organisations. In the successful first phase of the project, it was demonstrated that there were no barriers to the development of a CO₂ storage site, resulting in an independent certification from DNV.

About Wintershall Dea

Wintershall Dea is Europe’s leading independent natural gas and oil company with more than 120 years of experience as an operator and project partner along the entire E&P value chain. The company with German roots and headquarters in Kassel and Hamburg explores for and produces gas and oil in 13 countries worldwide in an efficient and responsible manner. With activities in Europe, Russia, Latin America and the MENA region (Middle East & North Africa), Wintershall Dea has a global upstream portfolio and, with its participation in natural gas transport, is also active in the midstream business. **More in our [Annual Report](#).**



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As a European gas and oil company, we support the EU's 2050 carbon neutrality target. As our contribution we have set ourselves ambitious targets: We want to be net zero across our entire upstream operations – both operated and non-operated – by 2030. This includes Scope 1 (direct) and Scope 2 (indirect) greenhouse gas emissions on an equity share basis. In addition Wintershall Dea will bring methane emissions intensity below 0.1 per cent by 2025 and maintain zero routine flaring of associated gas in its operations. The climate goals are to be achieved through portfolio optimization, emissions reduction through more energy efficiency, investments in nature-based compensation solutions and in future technologies such as hydrogen and CCS. **You can find more about this in our [Sustainability Report](#).**

Wintershall Dea was formed from the merger of Wintershall Holding GmbH and DEA Deutsche Erdoel AG, in 2019. Today, the company employs around 2,500 people worldwide from over 60 nations.

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