

# Aalborg Portland joins CCUS consortium GREENPORT SCANDINAVIA

GREENPORT SCANDINAVIA announced today that leading Danish cement producer Aalborg Portland is joining the project, one of the most ambitious Carbon Capture, Utilization and Storage [CCUS] missions in northern Europe with the ambition to serve as an import and export CCUS hub for considerable amounts of CO<sub>2</sub> to be stored or utilized.

The project partners have teamed up to mature plans to establish the facilities to handle CO<sub>2</sub> safely and efficiently all the way from emitter sites to permanent geological storage in the Greensand storage sites and potentially utilization for PtX purposes. This includes onshore pipeline infrastructure and a temporary storage, processing and loading facilities in the Port of Hirtshals. An industrial port easily accessible by sea and overland and with considerable expansion plans in the making allowing for new build CO<sub>2</sub> facilities and infrastructure. The location of Greenport Scandinavia provides access to the Greensand storage sites in the Danish part of the North Sea which recently demonstrated the first European cross border full CCS value chain.

Greenport Scandinavia – launched December 2022 - is a project with great potential in terms of fighting climate change. The European Commission's proposal to cut greenhouse gas emissions by at least 55% by 2030 sets Europe on the path to becoming climate neutral by 2050. Carbon Capture and Storage is an important solution to achieve these goals, as they cannot be reached by emission reductions alone.

Aalborg Portland – part of the multinational Cementir Holding - recently confirmed their goal to achieve net zero emissions by 2050 and committed to a cap on emissions of maximum 600.000 tons yearly by 2030, a cut by 73% compared to 2021. Aalborg Portland CCO Michael Lundgaard Thomsen says "We have joined Greenport Scandinavia because it is essential for Aalborg Portland to engage in an ambitious project that is already off the ground and ready and able to build a strong Danish CCS infrastructure and deliver a reliable, safe and cost-effective CO<sub>2</sub> handling solution as soon as possible".

Danish gas DSO Evida will spearhead the construction of the Danish CO<sub>2</sub> pipeline structure. Phase 1 is a pipeline from Aalborg to the hub in Hirtshals, enabling emitters to safely and cost-effectively send CO<sub>2</sub> for permanent storage in depleted oil fields in the Danish part of the North Sea. Henrik Jensen, CCO in Evida, welcomes Aalborg Portland and says "Piped infrastructure is vital in upscaling carbon capture and storage and to secure reliable, safe and cost-efficient CO<sub>2</sub> transportation with open access from many points. In Evida we have already initiated the planning and design of the main pipeline and are looking forward to further cooperation with the CCUS market on the infrastructure plans".

Mads Gade, CEO, INEOS Energy Denmark says, "We are thrilled to welcome Aalborg Portland to the consortium. Standing on the shoulders of the Greensand Project, which celebrated First Carbon Storage in March 2023, Greenport Scandinavia will enable large scale utilization of the Greensand Storage capacities which was successfully tested offshore in the Nini West area in the Danish North Sea in the first quarter of 2023. Connecting Greensand represents a unique opportunity to harvest the economies of scale throughout the CCS value chain to the benefit of all users of Greenport Scandinavia".

Wintershall Dea is looking to establish export of significant amounts of CO<sub>2</sub> from Germany, which currently does not have domestic storage sites. Anne-Mette Cheese, Country Lead Denmark, Wintershall Dea Denmark, says "We look forward to harnessing Aalborg Portland's ambitions in the CCS area in Greenport

Scandinavia. Their involvement will contribute significantly to the development of large-scale operations, paving the way for a Danish CCS import venture”.

Steen Hintze, CEO at Greenport North adds “Since the beginning of 2022 we have been working with the industry towards establishing a full CCUS value chain infrastructure from emitter to permanent storage. With Aalborg Portland on board, we are now at significant scale”.

Shipping from Hirtshals to offshore storage is expected to kick off in 2026 when local and regional biogas plants, represented by project partner Biocarb Solution, will start trucking biogene CO<sub>2</sub> to the hub. CEO Per Holm Nørgaard, Port of Hirtshals, says:

“Aalborg Portland's commitment to Greenport Scandinavia underlines the potential of the project. The Port of Hirtshals is ideally located in relation to storage fields in the North Sea, and we are working purposefully with an expansion of the port. It is an important part of our strategy that the port becomes a hub for storing and shipping CO<sub>2</sub>”.