COPENHAGEN MALMÖ PORT

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Malmö proposed as a node for carbon capture and storage

An important piece of the puzzle of southern Sweden's efforts to capture and store carbon dioxide has now fallen into place. The CNetSS* project, led by Växjö Energi, has chosen the main alternative for interim storage of carbon dioxide before transport to final storage. The choice was Malmö and Copenhagen Malmö Port's terminals in Norra Hamnen, where a node for interim storage and transshipment is proposed by the project.

"Malmö is the most efficient and flexible alternative, both for receiving large amounts of carbon dioxide from various locations in southern Sweden and for

loading and transporting it to the geological final storage," says **Ghazale Nilsson**, project manager for CNetSS at Växjö Energi.

During 2023, an extensive feasibility study has been carried out in which various alternatives for carbon dioxide storage were analysed and the final choice for the interim storage site was Copenhagen Malmö Port.

"CMP sees the establishment of an intermediate storage facility for CO2 at the port area in Malmö as a natural extension of CMP's sustainability strategy and as an essential track towards a green transition. With Malmö's location, the opportunity to allocate land, and the close local collaboration among emitters, infrastructure partners, CMP, and the city of Malmö, we also see CCS as a potential positive commercial opportunity. We are dedicated to realising the ambition in an "open access" hub for CO2," says Sune Norup Christensen, CCO, Copenhagen Malmö Port.

The final report also includes a description of how the transports from the collection sites can be carried out.

"We are now continuing our dialogue with various actors in the transport chain. Interim storage requires a great deal of work in terms of permits, risk analysis, coordination of logistics and infrastructure expansion, such as new roads and train tracks. There are many factors to consider," says Ghazale Nilsson.

The work has taken place within the framework of the collaborative project CNetSS (Carbon Network South Sweden) in which ten actors are included. The goal of the project is to reduce emissions by building a sustainable and cost-effective infrastructure in southern Sweden for the transport of collected carbon dioxide from different facilities to a geological final storage. Together, the parties in the project have the potential to capture and store over 2 million tonnes of carbon dioxide per year. The project has been granted SEK 2.5 million in financial support from the Swedish Energy Agency. Read more about the work in CNetSS here.

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***Carbon Network South Sweden**, CNetSS, is a cluster of companies working together to create a cost-effective infrastructure for carbon capture and storage, CCS, in southern Sweden. By collaborating on transport, liquefaction and interim storage, final storage of up to 2 million tonnes of carbon dioxide can be possible. The cluster includes carbon capture companies, logistics companies and port operators: Växjö Energi, Copenhagen Malmö Port, E.ON, Höganäs AB, Kemira, Kraftringen, Nordion Energi, Stora Enso, Sysav and Öresundskraft.

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