

Press Release

Oslo, Norway - 15 March 2023

CO2 Capsol expands its technology platform by including CO₂ liquefaction. First order for a demonstration unit received from German energy company.

CO2 Capsol has signed a rental and service contract with a major German energy company for the delivery of a liquefaction unit that can be used together with the CapsolGo[®] carbon capture demonstration unit. The project will be part of the existing 12-month contract for delivery of two CapsolGo[®] demonstration campaigns to the client, executed at one Energy-from-Waste (EfW) and one biomass-fired Combined Heat and Power (CHP) plant. Simultaneously, CO2 Capsol also signed a contract to build and deliver the unit.

CapsolGo[®] enables an easy and affordable way for large-scale CO₂-emitters to test and verify the effectiveness of CO2 Capsol's Hot Potassium Carbonate (HPC) technology on the client's specific flue gas and processes, helping to accelerate the decision processes towards full-scale carbon capture plants at their facilities.

"Commercial CCUS (Carbon Capture Utilization and Storage) projects will almost always require either compressed or liquid CO₂ for storage or use. The construction of a CapsolGo[®] liquefaction unit is in line with the overall company technology strategy which focuses, among other, on the development and integration of CO₂ liquefaction concepts. This will enable emitters to receive optimized proposals, minimizing the electricity consumption of the overall system. It also ensures flexibility and efficiency to achieve CO₂ output quality required in the CCUS value chain for safe transportation, usage and long-term storage. This step moves CO2 Capsol towards becoming a one stop shop for energy efficient and environmentally friendly capture and liquefaction process design", says Cato Christiansen, Chief Technology Officer of CO2 Capsol.

In 2022, CO2 Capsol broadened its technology offering with the addition of CapsolGo[®] and CapsolGT[®]. The expansion into services and design for CO₂ liquefaction is based on demand from the industry and adds another valuable component to CO2 Capsol's technology platform.

The delivery of the unit to the client is expected in Q3 2023. The unit will provide revenue from Q3 2023 and is expected to make positive contributions to CO2 Capsol's cashflow over the period of the first contract.

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About CO2 Capsol

CO2 Capsol is a carbon capture technology provider with a goal to accelerate the transition to a carbon negative future. The company's energy efficient, cost competitive and environmentally friendly solution is licensed out either directly to customers or through industrial partners globally. Key target segments include cement, biomass, energy-from-waste, power generation and large industrial. CO2 Capsol is listed on Euronext Growth Oslo, Norway (ticker: CAPSL). For more information visit co2capsol.com.