

Air Liquide and Cementir Holding Group Launch ACCSION, a Pioneering Carbon Capture and Storage Project in Denmark

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Air Liquide and Cementir Holding Group, through its fully owned subsidiary Aalborg Portland, have announced the launch of ACCSION, a groundbreaking carbon capture and storage (CCS) project. Located in Aalborg, Denmark, ACCSION aims to significantly reduce CO₂ emissions from the Aalborg Portland cement plant.

The project will utilize Air Liquide's proprietary Cryocap™ technology to capture, purify, and liquefy approximately 95% of the CO₂ emitted by the cement kilns. The captured CO₂ will then be integrated into a new pipeline infrastructure and transported to onshore CO₂ storage facilities.

By the end of 2029, ACCSION is expected to avoid 1.5 million tons of CO₂ emissions per year of operation. This will make it one of the first full onshore CCS value chains in Europe, demonstrating a significant step towards decarbonizing the cement industry.

The European Commission has recognized the importance of this project by awarding it 220 million euros in project support under the EU Innovation Fund. This funding will be instrumental in making a final investment decision and initiating the project's execution.

This collaboration between Air Liquide and Cementir Holding Group highlights their commitment to driving innovation and sustainability in the industrial sector. By reducing CO₂ emissions from cement production, ACCSION contributes to the EU's ambitious climate goals and sets a new standard for low-carbon industrial processes.