

# Heidelberg Cement Group

Long-term Storage of CO<sub>2</sub>

Brevik, Norway | SOLUTION



The world's first large-scale facility for carbon capture in the cement industry has been under construction at the Brevik cement plant in Norway since 2021.

The project aims to demonstrate the viability, safety and cost-effectiveness of carbon capture and storage (CCS) technology. By 2020 end, the Norwegian government and the parliament had approved the implementation of the project. The project aims to transport the captured CO<sub>2</sub> emissions to an underground storage site below by the North Sea by 2024.



## IMPACTS

The facility will use amine technologies to capture 400,000 tonnes or 50% of the plant's emissions annually from 2024. Currently, several feasibility studies are being conducted to scale up the technology so that up to 100% of a cement plant's CO<sub>2</sub> emissions can be captured and stored in the future.