



Geseke cement plant in Germany (Credit Dyckerhoff)

DYCKERHOFF

## Dyckerhoff installs a CCS test unit in Geseke in Germany

Dyckerhoff receives funding for their DYGE-CarbonOUT test unit at the Geseke cement plant (photo) in North Rhine-Westfalia in Germany. The test facility is provided by Capsol Technologies ASA for the capture of CO<sub>2</sub> from the exhaust gas stream. The DYGE CarbonOUT project is supported by the German Federal Ministry for Economic Affairs and Energy (BMWE) as part of the Federal Funding for Industry and Climate Protection (BIK) and is one of the first CO<sub>2</sub> capture projects in the cement industry for which a BIK funding commitment has been granted. This funding round in Germany comprised 38 very different projects in various industries. The project by Dyckerhoff is classified as a research project, which could contribute to a cost-efficient commercial-scale decarbonisation facility.

In Germany, Dyckerhoff already has one carbon capture and storage project running. The

CI4C project is a €120 million joint venture by Buzzi-Dyckerhoff, Heidelberg Materials, Schwenk Cement and Vicat from France at Heidelberg Materials' Mergelstetten cement plant in Southern Germany. This Catch4Climate pilot project is intended to lay the foundations for the large-scale use of 'Pure Oxyfuel' technology in cement plants, thus enabling the later use of CO<sub>2</sub> as a raw material in other processes. Final mechanical and electrical works for the project are underway with plant commissioning this year.

Dyckerhoff is part of the Buzzi Group. Worldwide, the group operates 39 cement plants with a capacity of 44 million tons per year, incl. the joint venture in Mexico.

<https://sustainability.buzzi.com/wp-content/uploads/2023/11/Our-Journey-to-Net-Zero.pdf>

SPOTLIGHT