

COOL PLANET TECHNOLOGIES CARBON CAPTURE DEMONSTRATION PLANT OFFICALLY OPENED

Cool Planet Technologies (“Cool Planet”) announces that its 10,000-tonnes-per-annum carbon capture plant at Holcim’s Höver cement facility in Germany has been officially opened by Lower Saxony’s Minister-President Olaf Lies and Stephan Hinrichs, CEO of Holcim Germany.

The project is intended to serve as a blueprint for climate-neutral industry in Germany, demonstrating a solution that is scalable, economically viable, and capable of safeguarding jobs. The facility which is currently being commissioned is expected to capture up to 10,000 tonnes of CO₂ per year, making Höver one of the first industrial sites in Germany to capture greenhouse gas emissions on this scale.



Picture Courtesy of Helmholtz Zentrum Hereon.

CO₂ will be separated from exhaust gases using Cool Planet’s advanced membrane carbon capture process. As the capture system is installed downstream of the production process, it enables existing cement plants to be retrofitted without requiring major modifications.

Following the final expansion phase, approximately 90% of CO₂ emissions from the Höver cement plant are planned to be captured, purified to a high-grade standard, and ultimately utilised in industrial applications.

Minister-President Olaf Lies commented:

"The cement industry faces particular challenges in decarbonisation. Here in Höver, we are now demonstrating how the transition to low-carbon cement production can succeed. With this new facility, Holcim is making a clear commitment to Germany as an industrial location and contributing significantly towards our goal of achieving a climate-neutral Lower Saxony."

Stephan Hinrichs, CEO of Holcim Germany, added:

"Höver will be one of the first industrial sites in Germany where CO₂ is actually captured at large scale. We are relying on leading European technology and drawing on the engineering expertise of our technology partners. Together in Lower Saxony, we are proving that climate protection and industrial competitiveness can go hand in hand."

Andrew Corner, CEO of Cool Planet, noted:

"Together with Holcim, we are pioneering a new approach for the cement industry. The membrane-based CO₂ capture process is being tested at this scale for the first time in Höver and lays the foundation for gradually decarbonising existing cement plants."

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Notes to Editors**About Cool Planet Technologies Limited**

Cool Planet Technologies is a carbon capture company significantly reducing the cost of carbon capture using advanced membrane-based technology in hard to abate sectors including cement, lime, steel, refining, waste to energy and coal-fired power generation.

The process uses significantly less energy than established carbon capture technologies and can be powered entirely from renewable electrical power making it an environmentally friendly technology choice. The highly compact, scalable, modular, and operationally flexible process makes it ideal for retrofit and new-build applications.

Cool Planet has the exclusive rights to commercialise the membrane technology, which was developed by Helmholtz Zentrum Hereon, part of Germany's largest research organisation. Cool Planet and Hereon are collaborating on the development and commercialisation of the technology, which has been continuously improved and validated in multiple pilot tests over the last two decades, including a highly successful test at Holcim's, the world largest cement manufacture, Höver cement plant in 2022.

Cool Planet is currently commissioning the technology industrially at a scale of 10,000 tonnes of captured carbon dioxide per annum as part of the project with Holcim to upscale the technology for the decarbonisation of their Höver plant.

For further information please visit: www.coolplanettech.com

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About Holcim Germany

Holcim Germany is one of the leading providers of innovative and digital building solutions, with premium brands including ECOPlanet, ECOPact, and ECOCycle®. Employing around 1,800 people across Germany and the Netherlands, Holcim is a leader in sustainable construction, with a strong focus on climate protection and the circular economy.

Holcim Germany is part of Holcim Ltd. (SIX: HOLN), the global leader in sustainable construction, which reported net sales of CHF 15.7 billion in 2025. Headquartered in Zug, Switzerland, Holcim employs more than 45,000 people across 43 markets in Europe, Latin America, Asia, the Middle East and Africa. Holcim was recognised as a Global Top Employer 2026 by the Top Employers Institute.