



COOL PLANET TECHNOLOGIES LIMITED COLLABORATION AGREEMENT WITH HOLCIM

Cool Planet Technologies Limited (“CPT”) has announced today that it has signed a Collaboration Agreement with Holcim Deutschland GmbH (“Holcim”) to work towards the decarbonisation of Holcim’s Höver cement plant, near Hanover in Germany, using CPT’s innovative advanced membrane-based carbon capture technology.

At the heart of the collaboration is the construction of a 10,000 ton per annum (‘tpa’) CO₂ capture plant at Höver in early 2024. The plant will demonstrate the performance, economics, and operability of CPT’s technology at scale over a 12-month period. This follows on from the highly successful pilot with extraordinarily positive results at the Höver plant in 2022.

CPT and Holcim will then go on to collaborate on the full decarbonisation of the Höver plant. A 200,000 tpa plant is planned to be constructed in 2026 which will be expanded to capture around 90 per cent of Höver’s CO₂ emissions, around 800,000 tpa, by the end of the decade. CPT’s technology has the potential to play a key role in the decarbonisation of Holcim’s 150 other locations worldwide.

Following a successful funding round in 2022, with investment from ENI next, Audacy Ventures and NEVA SGR, CPT is currently raising a second Series A funding round to support the demonstration and commercialisation of its membrane technology.

Andrew Corner, the Managing Director of CPT, commented:

“We have been working with Holcim and the team at Höver since the beginning of 2021. This Agreement formalises that relationship as we start construction work on the carbon capture plant at Höver. CPT’s technology is ideally suited to lowering the costs and energy required to decarbonise cement production. We look forward to continuing our collaboration with Holcim and to supporting them in the decarbonisation of their global portfolio.”

Arne Stecher, Head of Decarbonisation for Holcim Deutschland GmbH, said:

“Carbon capture will be a necessity for cement plants in the near future. Therefore, we are looking globally for the best carbon capture technology. For us, “the best” means: simple, scalable and adaptable to many cement plants, while at the same time offering the lowest possible production costs (cost of CO₂ captured/tonne), in order to also support subsequent value chains. The membrane-based approach of Cool Planet Technologies is a promising solution for the decarbonisation of cement plants and many other industries- as shown by the very good test results in our Höver plant. I am impressed by the speed CPT is developing the TRL of their technology.”

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Notes to Editors

About Cool Planet Technologies Limited

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

The chemical-free 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 compact, scalable, modular, and operationally flexibility process makes it ideal for retrofit and new-build applications.

CPT has the exclusive rights to commercialise the membrane technology, which was developed by Helmholtz Zentrum Hereon, part of Germany's largest research organisation. CPT 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 decade, including a highly successful test at Holcim's Höver cement plant in 2022. CPT will demonstrate the technology at a scale of 10,000 tons per annum in early 2024 at 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 the Holcim Deutschland Group

Holcim Germany is one of the leading companies in Germany for innovative, sustainable and digital construction products and solutions. As pioneers in sustainable construction, Holcim's employees develop tailor-made solutions for building owners, construction companies, architects and engineers - combined with a clear focus on climate protection and the circular economy. Our mission: to build more with less material. Holcim embraces diversity: The Group employs around 1,800 people of 36 different nationalities at around 130 locations in Germany and the Netherlands. Holcim Germany is a subsidiary of Holcim Ltd., the world's leading building materials group.