

# Industrial Decarbonization: Calderion, WenCo and Terravent Invest in Graforce to Scale Plasma Pyrolysis Globally

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The investor consortium comprising the Paris-based Next Generation Fuels Industrial & Technological fund **Calderion** (Audacia), alongside infrastructure developer **Terravent** and **WenCo** Family Office, announces the closing of a strategic double-digit million-euro financing round for Berlin-based **Graforce** GmbH.

The investment is dedicated to the industrial scale-up of Graforce's proprietary plasma pyrolysis technology, addressing the growing global demand for cost-efficient low-carbon hydrogen, syngas and carbon removal solutions that are compatible with existing industrial infrastructures.

## **Disruptive alternative to conventional processes**

Graforce's technology aims at replacing CO<sub>2</sub>-intensive legacy routes such as steam reforming and classical gasification. By applying plasma to methane, biogas, flare gas and landfill gas, the process converts these streams into their valuable molecular components instead of emitting them.

The result is a high-efficiency production of clean hydrogen and syngas, while carbon is obtained as a high-purity industrial raw material that remains in material cycles. When biogenic feedstocks are used, the process enables a negative CO<sub>2</sub> footprint (Carbon Removal), as the carbon is permanently stored rather than released to the atmosphere.

## **Strategic cooperation with RAG Austria AG to accelerate plant development**

In parallel with the financing round, Graforce is deepening its partnership with energy storage company RAG Austria AG, which is providing targeted financial and industrial support for the further development of the methane plasma pyrolysis plant. The focus of the collaboration is on system optimization and industrial integration.

This collaboration strengthens Graforce on its path to continuous industrial operation, increases plant efficiency, and supports the use of modular plants at locations with variable availability of renewable energies.

## **Use of Funds: Scale-up and market deployment**

The funds will be used for technological advancement, the roll-out of additional industrial plants and international market development.

## Partner Statements

“With Graforce’s addition to our portfolio, Calderion strengthens its coverage of next-generation fuel value chains, combining CO<sub>2</sub> capture, plasma-based methane conversion and synthetic fuels. This enables integrated pathways from methane and CO<sub>2</sub> to low-carbon hydrogen and syngas, serving both industrial decarbonization and sustainable fuels for maritime and aviation. Graforce’s technology also offers natural hydrogen explorers a solution to valorize associated methane without CO<sub>2</sub> emissions”, explains Vincent Brillault, Founding Partner of Calderion.

“The flexibility to provide various product gases in a decentralized and emission-free manner closes a critical gap in the industrial value chain. We are contributing our project planning expertise to bring this technology to the global market,” adds Jens Rötteken, Managing Director of Terravent.

“This investment underscores the enormous potential of our plasmalysis technology for a sustainable energy transition. We look forward to working together to make our plasmalysis technology scalable and cost-effective,” says Dr. Jens Hanke, founder and CEO of Graforce GmbH.

## About the partners

**Graforce GmbH** – Pioneer of CO<sub>2</sub>-free hydrogen and syngas technologies based on plasma pyrolysis, enabling the utilization of methane, biogas, flare and landfill gases as industrial resources. [www.graforce.com](http://www.graforce.com)

## Calderion & Audacia

Initiated by Audacia, Calderion is an industrial deep-tech fund dedicated to scaling next-generation fuel technologies, including low-carbon hydrogen, CO<sub>2</sub> capture, and synthetic fuels. The fund aims to build sovereign, decarbonized, and competitive value chains. Audacia is an independent private equity firm with a 20-year track record of supporting strategic sectors. It is listed on Euronext Growth Paris. More information: [calderion.com](http://calderion.com) | [audacia.fr](http://audacia.fr)

**Terravent** – Investor, family office and project developer with a strong focus on renewable energies and integrated hydrogen infrastructure. In more than 25 years over one gigawatt of wind and photovoltaic projects have been realized. [www.terravent.de](http://www.terravent.de)

**Wen.Co.Invest** is an Oldenburg based German family office investing in innovative and forward-looking ventures. It specializes in supporting modern, sustainability-oriented startups that aim to create long-term positive impact. <https://www.wegainvest.de/>

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