Press release

Carbeau secures € 35.2 million to scale breakthrough CO_2-based materials

Spun out from Avantium, Carbeau builds on more than a decade of technology development to commercialize breakthrough electrochemical CO_2 conversion technology.

AMSTERDAM, 3 July 2026 - Today marks the official launch of Carbeau, an independent technology company dedicated to rewriting the narrative around carbon dioxide. Spun out from pioneering renewable chemistry leader Avantium N.V., Carbeau enters the market with a breakthrough electrochemical platform and a secured € 35.2 million in funding.

The company's name unites "Carbon" and "Beautiful", capturing its core mission: making carbon work beautifully. Instead of viewing CO_2 as a critical emission challenge, Carbeau transforms it into valuable, high-performance and sustainable products.

Empowered by a strong investor consortium

Carbeau launches with a robust financial foundation of € 35.2 million. This includes € 23.7 million in cash contributions from a strong international investor consortium, alongside an € 11.5 million in-kind contribution from Avantium, which retains a 32.7% shareholding in the company.

The investor group brings together complementary industrial, financial, and regional expertise to accelerate Carbeau's growth:

- Strategic Partners: GKT GmbH (Austria) brings extensive experience in industrial process technology, while Al Baleed Petrochemical (SFZ) (Oman) contributes deep petrochemical and international market expertise.
- Financial Partners: Invest-NL Capital N.V. (the Dutch National Financing and Development Institution) supports the acceleration of innovative and sustainable technologies and the Investerings- en Ontwikkelingsmaatschappij voor Noord-Nederland N.V. (NOM) strengthens Carbeau's connection to the industrial ecosystem of the Northern Netherlands.

Yap Chie Cheung, CEO: "In the near future, CO_2 will no longer be seen as a harmful waste stream, but as a valuable feedstock for our electrochemical technology. Powered by renewable electricity, Carbeau's process enables the production of materials with carbon-negative emissions."

Scalable technology for a circular economy

Carbeau's proprietary platform focuses on the electrochemical conversion of CO_2. By utilizing electrons - preferably generated from renewable electricity - the technology drives chemical reactions that turn a waste emission into a valuable feedstock. This enables the production of cost-competitive, renewable materials with a negative carbon footprint. Carbeau will initially focus on commercializing two premium products:

1. Glycolic acid: Tailored for the high-end personal care market.
2. PLGA (polylactic-co-glycolic acid): A fully compostable plastic offering exceptional technical performance in terms of barrier properties and marine degradability.

Next phase of growth

Led by an experienced management team with a proven track record in technology scale-up and commercialization, Carbeau is geared for rapid development. With the spin-out from Avantium and the backing of the new investor consortium, Carbeau will accelerate the commercial and technology deployment of its electrochemical CO_2 conversion technology.

Carbeau is headquartered at the Amsterdam Science Park, maintaining close ties with the broader innovation ecosystem in the Netherlands. To demonstrate the technology at scale, the company is planning the development of a pilot plant in Delfzijl. The Northern Netherlands region offers a robust industrial base, an emerging CCU eco-system and the ideal sustainable energy infrastructure required to demonstrate Carbeau's technology.

For more information about Carbeau, our technology, and our mission, please visit www.carbeau.com.

About Carbeau

Carbeau is a technology company focused on the electrochemical conversion of CO_2 into high-value, renewable products. Building on an electrochemical platform that uses electricity to drive chemical reactions, Carbeau enables CO_2 to be used as a raw material rather than a waste stream. The company's technology supports the production of cost-competitive, CO_2 based chemicals and materials with negative carbon emissions, contributing to the transition towards a circular and climate-neutral economy. Carbeau is headquartered in Amsterdam, The Netherlands.

About Avantium

Avantium is a pioneering commercial-stage company focused on renewable & circular polymer materials. Avantium develops and commercializes innovative technologies for the production of materials based on sustainable carbon feedstocks, i.e. carbon from biomass or carbon from the air (CO_2). The most advanced technology is the YXY® Technology that catalytically converts plant-based sugars into FDCA (furandicarboxylic acid), the key building block for the sustainable plastic PEF (polyethylene furanoate). PEF is known under the brand name releaf®, an EU registered trademark of Avantium. Avantium has successfully demonstrated the YXY® Technology at its pilot plant in Geleen, the Netherlands, and is in the process of starting the world's first commercial plant for FDCA in Delfzijl, the Netherlands. Avantium works in partnership with like-minded companies around the globe to develop revolutionary renewable chemistry solutions from invention to commercial scale. Avantium's shares are listed on Euronext Amsterdam and Euronext Brussels (symbol: AVTX). Avantium is incorporated in the Euronext Amsterdam SmallCap Index (AScX). Its offices and headquarters are in Amsterdam, The Netherlands.

Media contact:

Patty Haveman, patty.haveman@carbeau.com