



Press release

Idex and Nuada partner to launch a pioneering industrial plant for biogenic CO₂ capture in the Somme

- 10,000 tonnes of biogenic CO₂ captured per year
- A next-generation technology based on porous materials (MOFs), 100% electric and free from chemical solvents
- A new local value chain combining the capture, utilisation and storage of biogenic CO₂

Paris, 9 July 2026 – Idex Group, a leading player in France's energy transition, and Nuada, a provider of innovative carbon capture solutions, announce their strategic partnership to deploy one of Europe's first industrial units for the capture and utilisation of biogenic CO₂. Installed at the Kogeban biomass cogeneration plant, operated by Idex in the Hauts-de-France region, this unit is based on a breakthrough technology.

Whilst many emissions can be reduced through energy conservation, efficiency and the use of local, low-carbon energy sources, certain residual emissions remain unavoidable at present. CO₂ capture therefore emerges as a complementary tool for achieving carbon neutrality targets and accelerating the decarbonisation of industrial activities.

A new generation of CO₂ capture

Following several successful demonstrations at pilot sites, Nuada is taking a further step forward with Idex by rolling out its process on an industrial scale.

This technology is based on porous materials (MOFs) capable of filtering and trapping CO₂ from flue gases. Powered solely by electricity, it reduces the energy requirements of the capture process whilst eliminating the environmental risks associated with the use of chemical solvents. Compact and autonomously operated, the unit can be integrated into existing energy plants without interfering with their heat and electricity production.

Ultimately, the facility will be able to capture up to 10,000 tonnes of biogenic CO₂ per year, paving the way for the roll-out of this solution at other industrial sites.

A project supported by local stakeholders and rooted in the circular economy

Beyond capture, the project aims to establish a new local value chain centred on two outlets for this naturally occurring CO₂ :

- Once captured at the Kogeban site, the CO₂ will be purified and liquefied to achieve a quality standard compatible with most industrial uses, particularly in the food and beverage sector. It will thus be utilised locally by regional manufacturers, replacing fossil-derived CO₂ ;
- Another portion of the captured biogenic CO₂ will be stored in deep geological formations to prevent it from returning to the atmosphere. By removing carbon from the atmosphere that was originally absorbed by trees, this process generates so-called 'negative' emissions, a key driver for global carbon neutrality.

This project is supported by the Region's main institutional and economic stakeholders, notably the Somme Prefecture, Nord France Invest, the Communauté de Communes de l'Est de la Somme and Nesle Town Hall. It will contribute to local economic growth by creating direct skilled jobs in engineering and operations, as well as indirect jobs generated during the construction phase.

Conor Hamill, Co-Chief Executive Officer of Nuada, said : *"Following several successful demonstrations at various industrial sites, the industrial deployment of our Adspire® technology marks a decisive milestone for Nuada. Together with IDEX, we will demonstrate that it is possible to capture biogenic CO₂ under conditions that are viable from both a technical and economic perspective. Designed to be replicated at other industrial sites in France and across Europe, our technology paves the way for a more efficient decarbonisation of residual emissions."*

Thomas Le Beux, Chief Executive of the IDEX Group, said : *"The energy transition requires us to utilise every available means. Whilst our priority remains energy conservation, efficiency and the development of local, low-carbon energy sources, certain emissions call for new solutions. With Nuada at our Kogeban site, we are creating a genuine value chain around biogenic CO₂, combining capture, local utilisation and storage. As a mission-driven company, we have a responsibility to develop innovative, replicable and value-creating solutions to accelerate the decarbonisation of territories."*

ABOUT IDEX:

Founded in France in 1963, the IDEX Group, with nearly 6400 employees, develops, designs, finances, builds and operates local, carbon-free energy infrastructure for the supply of heat and electricity to buildings, cities and industry. With a turnover of 2.1 billion euros in 2025, IDEX is now the only vertically integrated operator covering the entire local energy value chain. Its activities range from the generation of thermal or electrical energy from local, low-carbon energy sources (waste, biomass, geothermal and solar energy), through the distribution of this energy via heating and cooling networks, to the optimisation of its end use in industrial, residential and commercial buildings. Since the summer of 2025, IDEX has been a mission-driven company. This is an important milestone that demonstrates the Group's ambition to have a positive impact on the planet and on society. For further information: www.idex.fr

ABOUT NUADA:

Nuada is a company specialising in carbon capture that offers a cutting-edge solution overcoming the challenges of cost, energy and integration, enabling industrial companies to deploy commercially viable CCUS solutions. Its Adspire® technology is based on advanced porous materials, known as MOFs, combined with a vacuum adsorption process. Its validated carbon capture solution is unlocking industrial carbon management opportunities, empowering industries to decarbonise whilst remaining competitive. For further information: www.nuadaco2.com

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