

Haltermann Carless and INERATEC Join Forces to Scale Synthetic Fuels

Chemical company Haltermann Carless and clean-tech company INERATEC have entered into a strategic partnership as part of the ERA T.H2 project, the first commercial Power-and-Biomass-to-Liquid (PBtL) project. Together, the companies aim to accelerate the industrial deployment and market introduction of sustainable e-fuels and other renewable hydrocarbons across Europe.

Frankfurt am Main / Karlsruhe – Haltermann Carless and INERATEC have signed a Letter of Intent (LoI) for strategic cooperation within the ERA T.H2 project, with the goal of advancing the industrial deployment and commercialization of sustainable e-fuels and renewable hydrocarbons in Europe. The chemical company intends to purchase a significant amount of bio-e-SAF and bio-e-Naphtha annually for a minimum period of ten years following the plant's commissioning.

Dr. Bruno Philippon, General Manager Division Performance Fuels at Haltermann Carless, said:

“As a pioneer in sustainable fuel solutions, we see e-fuels as a key complement to our portfolio of renewable fuels. They have an important role to play in motorsport, aviation and other applications where high energy density remains essential. The combination of renewable biomass feedstocks and Fischer-Tropsch technology creates new opportunities to scale sustainable fuels and hydrocarbon solutions for demanding applications. Together with INERATEC, we aim to accelerate the industrial deployment and market adoption of these next-generation fuels.”

Dr.-Ing. Tim Böltken, Co-Founder & CEO of INERATEC, said:

“Our collaboration with Haltermann Carless marks an important step in unlocking the full potential of ERA T.H2. The planned long-term offtake of our products provides a strong foundation for the successful ramp-up of the plant and sends a powerful signal to the market: demand for sustainable e-fuels and renewable hydrocarbons is growing. Together, we are helping to make these urgently needed solutions available for aviation, mobility, and industry.”

ERA T.H2: Europe's First Commercial Power-and-Biomass-to-e-Fuel Project

The ERA T.H2 project is among the world's first commercial Power-and-Biomass-to-Liquids (PBtL) facilities. Located in Normandy, France, the plant will use sustainably sourced residual wood biomass from the region together with renewable energy to produce synthetic fuels and hydrocarbons. Commissioning is scheduled for 2029.

Starting in 2031, the facility is expected to process approximately 60,000 tonnes of residual wood biomass annually, sourced from regional forests and industrial operations. Through gasification, these residues will be converted into syngas, which will then be transformed using INERATEC's technology into at least 13,000 tonnes of Fischer-Tropsch products per year, including e-SAF for aviation and basic chemical feedstocks such as e-Naphtha.



By combining biomass utilization with advanced fuel synthesis, the ERA T.H2 project will establish a new industrial circular value chain in the Normandy region. Locally sourced residual biomass will be converted into sustainable synthetic fuels that can contribute to the decarbonization of aviation and other hard-to-abate sectors, including the chemical industry.

The project benefits from strong regional support and builds on Normandy's long-standing industrial heritage, a region in which Haltermann Carless has maintained operations through its own site for many years.



About Haltermann Carless – Pioneers in hydrocarbons since 1859

Haltermann Carless is a leading international supplier of high-value hydrocarbon solutions in Mobility, Life Science, Industrial and Energy. The company develops tailor-made products using advanced technologies, exploring new feedstock sources, and collaborating with business partners, research institutes, and universities. The portfolio includes Performance Fuels, Solvents, Pentanes, Middle Distillates as well as Energy Products & Services.

As one of the oldest chemical companies in the world, Haltermann Carless continues its legacy with a global team of 500 employees across eight locations and production sites in Germany, France, the UK, and USA. The commitment to sustainability and responsible business practices is recognised through multiple certifications, including the EcoVadis Gold award, ISCC EU and ISCC PLUS and the prestigious FIA Three-Star Environmental Accreditation.

More information: www.haltermann-carless.com

About INERATEC

INERATEC develops and builds modular power-to-X plants for the production of e-fuels and e-chemicals. The technology uses renewable hydrogen and CO₂ as feedstocks to produce synthetic fuels and chemical products, including e-kerosene, e-diesel, e-petrol and e-waxes. These products can help to reduce the use of fossil raw materials and fuels in sectors such as aviation, shipping and the chemical industry.

With ERA ONE, INERATEC operates an industrial power-to-liquid plant in Frankfurt for the production of e-fuels. The plant is designed for an annual production capacity of up to 2,500 tonnes of synthetic aviation fuel. Thanks to its modular design, the technology can be deployed at various sites.

INERATEC was founded in 2016 and is headquartered in Karlsruhe. The company is supported by international investors and industry partners. Further information is available at www.ineratec.com.

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