



Lufthansa Cargo

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PRESS RELEASE

Kuehne+Nagel Group

Kuehne+Nagel and Lufthansa Cargo agree on exclusive partnership to promote CO2-neutral power-to-liquid fuel

- **atmosfair opens world's first plant for the production of synthetic crude oil in Emsland, Germany**
- **Kuehne+Nagel and Lufthansa Cargo are among the first customers**
- **Power-to-liquid is considered a key technology for the future of CO2-neutral aviation fuel**

Schindellegi / CH, October 4, 2021 – Kuehne+Nagel and Lufthansa Cargo have agreed on an exclusive partnership for the promotion and use of synthetic crude oil from NGO atmosfair based in Berlin. The logistics service providers have jointly committed to supporting the world's first production site for synthetic crude oil in Werlte, Emsland (Germany) by purchasing 25,000 litres per year for the next five years. Synthetic fuels have not yet been produced industrially, but are available only in laboratory quantities. This fuel is considered to be the fuel of the future, capable of bringing the CO2 footprint of aircraft engines to zero.

Yngve Ruud, Member of the Management Board of Kuehne+Nagel, responsible for Air Logistics, commented: "Already now, Kuehne+Nagel customers can avoid carbon emissions of their shipments globally with our bio SAF solutions and I am delighted to see that time has come for synthetic SAF as the long-term solution for aviation. By securing the first power-to-liquid fuel production together with Lufthansa Cargo, we are sending a strong message of commitment and collaboration, inviting our industry colleagues and customers to join us in creating the low-carbon economy of the future already today."

"We clearly see the key to a sustainable reduction of our emissions in flight operations in the research and use of synthetic, sustainable aviation fuels. The fact that we are now pioneering power-to-liquid technology together with Kuehne+Nagel makes us particularly proud and shows once again that we are actively tackling our climate protection challenges," Dorothea von Boxberg, CEO Lufthansa Cargo, explained the strategic background to the partnership with Kuehne+Nagel.

With characteristics almost identical to those of conventional jet fuel, sustainable aviation fuels are an essential pillar on the way to CO2 neutral flying. There are two main types of sustainable aviation fuel – bio SAF and synthetic SAF.

Until now, Kuehne+Nagel and Lufthansa Cargo have used bio SAF to reduce the carbon footprint of air freight. While bio SAF is produced from biomass (waste products and feedstocks with low carbon content), the primary energy source and feedstocks for the production of synthetic SAF are renewable electricity, water and carbon dioxide (CO₂). Synthetic SAF is considered the long-term solution for the industry as it can be produced without availability limits, avoiding biomass supply limitations, and can reduce emissions up to 100%.

About Kuehne+Nagel

With 74,000 employees at 1,400 locations in over 100 countries, the Kuehne+Nagel Group is one of the world's leading logistics companies. Its strong market position lies in Sea Logistics, Air Logistics, Road Logistics and Contract Logistics, with a clear focus on integrated logistics solutions.

For more information about Kuehne+Nagel's sustainable aviation fuel offering, please visit [Kuehne+Nagel SAF webpage](#).

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About Lufthansa Cargo AG

With a turnover of 2.8 billion euros and a transport performance of 6.5 billion freight ton kilometers in 2020, Lufthansa Cargo is one of the world's leading companies in the transport of airfreight. The company currently employs around 4,400 people worldwide. Lufthansa Cargo's focus is on the airport-to-airport business. The route network covers around 300 destinations in more than 100 countries, using both freighter aircraft and cargo capacity from passenger aircraft operated by Deutsche Lufthansa, Austrian Airlines, Brussels Airlines, Eurowings Discover and SunExpress, as well as trucks. The majority of the cargo business is handled via Frankfurt Airport. Lufthansa Cargo aligns its corporate responsibility commitment with the sustainability goals of the United Nations (UN). Lufthansa Cargo has committed itself to anchoring five selected sustainability goals in its corporate activities and to making a substantial contribution to achieving these goals by the year 2030. Lufthansa Cargo is a wholly owned subsidiary of Deutsche Lufthansa AG and the specialist for the logistics business of the Lufthansa Group.

www.lufthansa-cargo.com

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