Sasol ecoFT and Deutsche Aircraft join forces to accelerate Power-to-Liquid (PtL) aiming for carbon-neutral flight

- *Deutsche Aircraft and Sasol ecoFT sign Memorandum of Understanding (MoU) to advance Power-to-Liquid as a Sustainable Aviation Fuel (PtL-SAF / H2-SAF(PTL))*
- *Both partners recognize the urgency of climate mitigation*
- *Existing Fischer-Tropsch fuels will be used to expedite technology development and production ramp-up, with the ultimate goal to enable a carbon-neutral fuel for the D328eco*

Munich/Johannesburg, 22 June 2022 - German aircraft manufacturer Deutsche Aircraft and South African chemicals and energy company Sasol have signed a MoU on advancing technology for green hydrogen-based PtL-SAF in aviation. Sasol ecoFT and Deutsche Aircraft have both recognised the urgency in transitioning towards climate neutral aviation. The two companies thus plan to foster the certification of sustainable drop-in and non-drop-in jet fuels, more particularly the ramp-up of PtL-SAF for aviation.

With its D328eco program, Deutsche Aircraft is working on an aircraft in the under 50-seat market, that will achieve near carbon neutrality. The aircraft, which is scheduled to be certified in 2026, will be able to use 100% H2-SAF (PtL) on top of any other certified sustainable aviation fuel and regular kerosene.

Sasol ecoFT is an ideal partner for that task as the South African company is the world leader in FT (Fischer-Tropsch) technology. Sasol ecoFT leverages Sasol's extensive FT experience, proprietary technology, and catalysts to produce sustainable fuels and chemicals via Power-to-X processes.

From a fossil heritage to a sustainable future

"Sasol ecoFT and Deutsche Aircraft stand at the beginning of a decarbonisation journey. We both have products originally designed in the age of fossil fuels. Together we can develop rapid solutions to combat climate change by improving our products while building on our heritage and expertise," comments Dave Jackson, CEO of Deutsche Aircraft.

PtL-SAF is a scalable, and thus long-term solution to minimise the carbon dioxide (CO_2) footprint of aviation. The process uses for example CO_2 recycled from regular air, and hydrogen, produced with green energy, to form a synthetic fuel. Fuels manufactured like this still have the similar characteristics as regular kerosene: high energy density at low volume, proven safety, and distribution by established infrastructure. Furthermore, these fuels contain less aromatics and sulphur, thus improve local air quality and reduce the high-altitude impact of aviation.

Deutsche Aircraft and Sasol will not only work on technology and production aspects of H2-SAF (PtL), but also aim at a certification for this type of fuel to be used as drop-in or non-drop-in jet fuel.

From Coal-to-Liquid to PtL-SAF

PtL-SAF is chemically similar to Coal-to-Liquid (CtL), in which Sasol has deep global experience at deploying at industrial scale. As a first step of their partnership Sasol ecoFT and Deutsche Aircraft will

explore the compatibility of materials and system components with blended synthetic fuels produced through Sasol's FT technology currently applied in its existing CtL process. The priority of this aspect of the project is to expedite the certification of more sustainable PtL-SAF options.

"We are extremely excited about the partnership with Deutsche Aircraft as we take a holistic approach to climate-neutral aviation by looking at the whole value chain from fuel production up to aircraft system level. Joining forces between aircraft manufacturers and fuel producers is vital, if we want to ensure that aviation becomes sustainable, while ensuring the highest possible safety standards," concluded Helge Sachs, Senior Vice President, of Sasol ecoFT.

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Note to Editors

If you have any **further questions** about the topic or require **additional information**. We are happy to help, or to set up an **interview** with **high level representatives from Deutsche Aircraft and Sasol**.

Contact for press: pressoffice@DeutscheAircraft.com

About Deutsche Aircraft

Founded on the proud heritage of Dornier and Germany's reputation for engineering design, quality and innovation, Deutsche Aircraft is the new purpose-driven German OEM. As Dornier 328 type certificate holder, Deutsche Aircraft will enable future development of the Do328 platform, and exploit future technologies and capabilities to produce a more efficient, economic and environmentally friendly aircraft, and to drive the future of aviation towards climate-neutral flight. Together with the participation of the German Government, Deutsche Aircraft is leading the way in a new era of a cleaner, safer and more efficient aviation.

About Sasol ecoFT

Sasol ecoFT is a pioneer in sustainable fuels and chemicals through its proprietary FT (Fischer-Tropsch) technology that converts green hydrogen and sustainable carbon sources into sustainable products. As part of Sasol, a global leader in synthetic fuels and chemicals, we have more than 70 years' experience in providing sustainable FT solutions globally. We seek to contribute to a thriving planet, society, enterprise and innovate for a better world.

For more information:

Ezena Reyneke, Brand and Communications Lead: Sasol ecoFT

Email: Ezena.reyneke@sasol.com

Mobile: (+27) 82 776 0855