

PRESS RELEASE

Safran and ST Engineering to study and advance the use of SAF in helicopter engines

16 February 2022, Singapore Airshow

Safran Helicopter Engines and the commercial aerospace business of ST Engineering today signed a Memorandum of Understanding (MoU) to study the use of Sustainable Aviation Fuel (SAF) in helicopter engines, with the objective of assisting helicopter operators in their transition to the use of SAF.

Under the MoU, Safran Helicopter Engines and ST Engineering will offer their expertise in engine manufacturing and MRO to promote and help helicopter operators to switch from conventional fossil fuels to SAF. Ground testing of Safran engines using SAF will be performed at ST Engineering's engine test facilities, while flight tests with participating helicopter operators will be conducted to evaluate the technical and economical performances of the use of SAF on their fleet's engines.

All Safran's helicopter engines are currently certified to operate on up to 50% SAF. The objective of the collaboration is to also certify in the coming years the use of 100% SAF, which can potentially result in carbon emission reduction by up to 80%.

Valerie Patuel, Managing Director of Safran Helicopter Engines Asia, commented, "This agreement strengthens the technical and industrial partnership we have built with ST Engineering over the years. It also marks a key milestone in our common endeavour to transform the aviation industry towards a more sustainable future".

Tay Eng Guan, Vice President and General Manager of the commercial aerospace engines arm of ST Engineering said, "Our latest partnership with Safran combine the expertise and domain knowledge of both companies to study and advance the use of SAF by operators. The partnership also reflects our shared beliefs that aerospace companies must come together in joint efforts to develop robust solutions that can effectively reduce the industry's carbon footprint."

Safran Helicopter Engines has set itself the goal of reducing carbon emissions at its sites worldwide by incorporating SAF at all its test benches. Since last June, the manufacturer has been using it at every site in France, initially at a level of 10% of total aviation fuel usage, with a target of 50% by 2025. It has also recently deployed SAF to its UK facility at Fareham.

ST Engineering plays its part for sustainability by leveraging its engineering and technology know-to develop aerospace solutions that are greener and more eco-conscious. Some of these solutions include its patented EcoPower aircraft engine wash system which helps operators achieve lower fuel burn and thereby reduce their carbon footprint and freighter conversions which give new lease of life to retired passenger aircraft.

Safran is an international high-technology group, operating in the aviation (propulsion, equipment and interiors), defense and space markets. Its core purpose is to contribute to a safer, more sustainable world, where air transport is more environmentally friendly, comfortable and accessible. Safran has a global presence, with 76,000 employees and sales of 16.5 billion euros in 2020 and holds, alone or in partnership, world or regional leadership positions in its core markets.

Safran is listed on the Euronext Paris stock exchange and is part of the CAC 40 and Euro Stoxx 50 indices.

Safran Helicopter Engines is the world's leading manufacturer of helicopter engines, with more than 75,000 produced since being founded. It offers the widest range of helicopter turboshafts in the world and has more than 2,500 customers in 155 countries.

ST Engineering is a global technology, defence and engineering group with a diverse portfolio of businesses across the aerospace, smart city, defence and public security segments. The Group harnesses technology and innovation to solve real-world problems, enabling a more secure and sustainable world. Headquartered in Singapore, it has operations spanning Asia, Europe, the Middle East and the U.S., serving customers in more than 100 countries. ST Engineering reported revenue of \$7.2b in FY2020 and ranks among the largest companies listed on the Singapore Exchange. It is a component stock of the FTSE Straits Times Index, MSCI Singapore, iEdge SG ESG Transparency Index and iEdge SG ESG Leaders Index.



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