

PRESS RELEASE

Airbus Helicopters and Safran Helicopter Engines team up for greener vertical flight

Global industry leaders sign innovation cooperation agreement in preparation of Horizon Europe research programme

Paris Air Show, Le Bourget, 19 June 2019

Airbus Helicopters, the world's largest civil helicopter manufacturer, and Safran Helicopter Engines, the global leader in helicopter turbines, are teaming up to prepare the future of cleaner, quieter and more efficient vertical flight, ahead of the upcoming Horizon Europe research programme which should be carried out during the next decade.

A Letter of Intent (LoI) was signed at the Paris Air Show between the two companies which formalised their willingness to jointly demonstrate future technologies that will significantly contribute to the reduction of CO₂ emissions and sound levels for future vertical take-off and landing (VTOL) platforms. A number of technological streams will be investigated, including various levels of electrification, higher-efficiency gas turbines or alternative fuels, as well as advanced engine architectures to further reduce the acoustic footprint of turbines.

"We are on the verge of a green revolution in our industry, and as the world's largest civil helicopter manufacturer I believe it is our responsibility to advance technologies and solutions that will continue to make vertical flight the best choice to connect cities and carry passengers safely in urban environments," said Bruno Even, Airbus Helicopters CEO. "This future cooperation with Safran Helicopter Engines will ensure that we are in the best position to leverage and mature new propulsion methods that will support the development of cleaner and quieter helicopter platforms. The Horizon Europe programme is the ideal solution to pull skills and know-how from across Europe, and I strongly believe in its ability to drive long-lasting change in our industry."

Airbus Helicopters and Safran Helicopter Engines have worked for years on the development of advanced propulsion solutions, including most recently an innovative electrically-powered "eco mode" enabling the pausing and restarting of a gas turbine in flight on twin-engine helicopters. This technology, which will generate fuel savings and increase range, will be tested on the Racer high-speed demonstrator, developed in the frame of the Clean Sky 2 European research programme.

Franck Saudo, Safran Helicopter Engines CEO, said: "This future cooperation with Airbus in the frame of the Horizon Europe programme is a great opportunity to prepare propulsion systems for future helicopters. Today, Safran is the most capable provider of integrated and efficient propulsive systems, with the widest gas turbine power range and a complete range of electric systems for hybrid electric propulsive solutions, in addition to strong testing, qualification and certification expertise. We are very pleased to

partner with Airbus Helicopters in this journey for a lower environmental footprint of air transport.”



Safran is an international high-technology group, operating in the aircraft propulsion and equipment, space and defense markets. Safran has a global presence, with more than 92,000 employees and sales of 21 billion euros in 2018. 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 72,000 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.

For more information : www.safran-group.com and www.safran-helicopter-engines.com / Follow [@Safran](https://twitter.com/Safran) and [@SafranHCEngines](https://twitter.com/SafranHCEngines) on Twitter.

Airbus is a global leader in aeronautics, space and related services. In 2018 it generated revenues of € 64 billion and employed a workforce of around 134,000. Airbus offers the most comprehensive range of passenger airliners. Airbus is also a European leader providing tanker, combat, transport and mission aircraft, as well as one of the world's leading space companies. In helicopters, Airbus provides the most efficient civil and military rotorcraft solutions worldwide.

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