

L PRESS RELEASE

Arrius engines mark 10 million flight hours

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In China, Safran is celebrating a major achievement for its Arrius engine range; 10 million flight hours flown since its introduction in 1996. With more than 3,800 units delivered to 430 customers in 60 countries, the Arrius family covers a power range of 450-750 shp and flies in both single and twin-engine light helicopters.

Over the years, the Arrius range has maintained its status as the most competitive and robust engine solution for the light helicopter market, and it continues to be selected for new models. First installed in the EC135 in 1996, the latest Arrius 2B2Plus variant entered service on the Airbus H135 in 2014. This combination has become increasingly popular amongst operators, especially those conducting emergency medical services (EMS) and military training missions.

In 2016, the Arrius 2R became operational on the single-engine Bell 505. Featuring a dual channel FADEC (Full Authority Digital Engine Control), and assembled at Safran's Grand Prairie Plant in Texas, more than 200 units are now in service. Another variant, the Arrius 2G1, powers the Russian Helicopters Ka-226T. It is in service in Russia, and part of a major military contract currently under negotiation between Russia and India. These latest models make the Arrius range as competitive as ever, and it will remain at the forefront of Safran propulsion offer for the next 20 years.

Fabrice Condamine, Safran Helicopter Engines Vice President Light and Medium Helicopters Engines Programs, says, "Featuring a simple and robust design, the Arrius has a reputation for low operating costs and simple maintenance. For operators conducting demanding missions like EMS, search and rescue or military training, or flying in challenging environments like mountains or "hot & high", the Arrius performance and reliability enhances crew confidence. For more than 20 years, our engine has evolved with the light helicopter market, and we are committed to capitalizing on its strengths to develop new, even better variants".

Today Add+, an engine technological demonstrator based on the Arrius, is undergoing ground-tests. A full 30% of its components are manufactured using additive manufacturing (3D-printing) techniques. Future Arrius models will incorporate such additive manufacturing components; allowing reductions in production cycles and weight and performances increase as well as new functionality.

Earlier Arrius variants have a hydro-mechanical control system while more recent ones are equipped with FADEC and dual channel FADEC for the Arrius 2R and future model, to improve engine operation and reduce pilot workload.



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 /
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