

Honeywell Signs Engine Contract with Marengo Swisshelicopter

Aerospace, November 11th, 2015

LONDON, Nov. 11, 2015 – Honeywell Aerospace (NYSE: HON) has signed a contract to supply its next-generation HTS900 engine to Marengo Swisshelicopter.

The HTS900, which generates strong performance at high altitudes and in hot temperatures while reducing emissions and pilot workload, is to be installed in the new Marengo SKYe SH09 helicopter in the first production aircraft agreement for the new Honeywell engine.

“The Honeywell HTS900 engine provides helicopter owners and pilots with twin-engine performance with a single-engine installation. This means better performance and efficiency for a lower cost of ownership,” said Steve Lien, vice president, Defense and Space International at Honeywell Aerospace. “Beyond better performance, the HTS900 produces substantial maintenance savings, meaning operators can focus more on keeping their helicopters in the air and running missions rather than on the ground getting fixed.”



Marengo Swisshelicopter pilots will benefit from increased payload capacity at high altitudes as a result of the HTS900's high power-to-weight ratio. The engine, which weighs just 338 pounds, features a dual centrifugal compressor that generates a power output of over 1,000 shaft horsepower while also reducing fuel consumption.

“Increasing operational efficiency, while simultaneously reducing maintenance time and costs, is an ever-present concern,” said Martin Stucki, CEO at Marengo Swisshelicopter. “Honeywell is enabling us to do this with a future-proofed package that allows us to increase power — and therefore payload — as well as providing room for engine growth within the same architecture.”

Three HTS900 engines have already been delivered to support a prototype flying program. This includes one instrumented engine to support Marengo Swisshelicopter in its certification activities with the European Aviation Safety Agency and the Federal Aviation Authority through 2016.



SKYe SH09

A Swiss made helicopter

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About the HTS900 engine

The HTS900 engine is Honeywell's next-generation, modern turbine engine for light to medium helicopters.

The engine uses a dual centrifugal compressor to provide operators with greatly improved high and hot performance that means going farther, faster, with heavier loads, using less fuel.

Pilot workload is also reduced, especially during startup, due to the inclusion of a dual-channel full authority digital engine control (FADEC) with manual backup provision. This advanced FADEC makes flying procedures more secure and engine maintenance, planning and troubleshooting more efficient. As part of the contract, Honeywell will also provide wide-ranging helicopter life-cycle support to ensure Marengo Swisshelicopter has long-term control of its direct maintenance costs.

About the SKYe SH09 helicopter:

With a Maximum Take-Off Weight of 2,650 kg (5,842 lbs) the SKYe SH09 helicopter offers exceptional hot and high performance, a low noise signature thanks to the newly developed dynamic assemblies and shrouded tail-rotor.

The modularity of the cabin makes the most of the flat floor and the unique high ceiling concept, offering multiple seating arrangements of 1 Pilot + up to 7 passengers, all with individual crashworthy seats. The rear access to the cabin is facilitated by the large clamshell doors; addressing the passenger transport and emergency evacuation roles of the helicopter.

With a fast cruise speed of 260 km/h (140 knots) it will also offer very long range - in excess of 800km (430 nautical miles) with standard fuel tanks. SKYe SH09 is of particular interest to operators who wish to avail of a remarkably versatile machine with additional power, greater payload capacity, and an augmented sling load capability of 1,500 kg (3,300 lbs).

About MARENCO SWISSHELICOPTER (MSH):

The MARENCO SWISSHELICOPTER COMPANY is the result of combining the vision of our investors, the engineering expertise of Martin Stucki and a team of highly qualified helicopter specialists, pilots and aviation experts. Marengo Swisshelicopter Ltd. was founded in 2007 for the direct purpose of developing, building and commercializing new concepts of light turbine helicopters. With this industrial visionary concept, Marengo Swisshelicopter developed a new generation of helicopter built with a design that concentrates on the key notion of competitive superiority, modularity, advanced ergonomics and with the integration of the best choice of materials.

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