

Röder Group at the AERO 2022

First engine presentation after acquisition of SMA Aero Engines

SR305 now also in Van's Aircraft RV-10 - further conversions planned

Egelsbach, April 22, 2022

Röder Group will present the SR305 aircraft engine for the first time at AERO 2022 in Friedrichshafen. "This engine symbolizes our commitment to general aviation and shows the areas in which we want to have an even stronger presence in the future," says Röder CCO Tim Tartsch, framing the company's appearance at the trade show.

In July 2021, SMA Aero Engines GmbH, a member of the Röder Group, had taken over the diesel piston engine program from Safran. The SR305 has EASA and FAA supplemental type certificate (STC) for installation in the Cessna 182. The four-cylinder SR305 engine is available in 230 and 260 hp configurations.

In early 2022, an SR305 was installed in a Van's Aircraft RV-10 four-seater. The integration was done in-house by the owner, with support from SMA Aero Engines and Röder Präzision.

The integration design is available to other RV-10 owners. In May, the next RV-10 will fly with the SR-305 engine. Integrations in other aircraft models are in the planning stages.

"We're seeing increasing interest in our engines," Tim Tartsch says of the development. In the context of increased fuel costs and limited availability of Avgas, the CCO points to the advantages of diesel-fueled SR305 engines: unlike Avgas-fueled aircraft engines, SR305 engines have lower CO2 emissions, are on average 4 dB quieter, and are more fuel-efficient - cost savings are more than 30%. In addition, diesel fuel is available basically everywhere, which means greater independence.

One of the remarkable features of the engines is the backup mode: in the event of an ECU or electrical failure in the aircraft, the SR305 engines can be flown independently of the ECU/electrical system, i.e. completely "analog": "To put it in simple terms: as long as there is fuel in the tank and the propeller is turning, the engine can continue to be operated safely," says Tartsch, summarizing the aspects of "classic flying".

Röder underpins its commitment to general aviation with the expansion of its engine program: the aviation company, which is based in Egelsbach near Frankfurt am Main, is currently working on the development of a six-cylinder engine.

Röder Group will show the SR305 at AERO in Friedrichshafen from April 27 to 30 at booth [Hall/Stand No. A3-112](#)

The Röder Group is an association of aviation companies under the umbrella of Stratory Holding GmbH. The Röder Group includes:

Röder Präzision GmbH, Egelsbach (with branch office in Stuhr).

Röder Component Service Center GmbH, Egelsbach (with branches in Troisdorf and Leipzig)

Röder Component Service Center s.r.o., Kosice-Barca (Slovak Republic)

SMA Aero Engines GmbH, Egelsbach (Germany)

Roeder CSC FZCO, Dubai, United Arab Emirates

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