

RED AIRCRAFT MOVES FORWARD ITS RED A03 PISTON ENGINE TOWARDS STC BUSINESS

News / Manufacturer



RED Aircraft GmbH is now focusing heavily on creating more STC partnership opportunities for the users of its cutting edge aviation piston engine RED A03. The most powerful piston engine on the market, RED A03 operates with aviation kerosene up to an operating altitude of FL500. The company is currently working on increasing the number of airframe types that use RED A03. Official sources reveal that RED Aircraft GmbH has already received numerous partnership applications and is looking for more.

In the aviation sector, a supplemental type certificate or STC is referred to as a national aviation authority-approved major modification or repair to an existing type certified aircraft, engine, or propeller. It is considered to be supplemental because it adds to the existing type certificate. RED Aircraft GmbH supports its clients with STC installation kit and design work. STC is an additional market segment for the company who now seek to expand further its joint partnerships.

In terms of its design, RED A03 is a lightweight, all-aluminum, 12-cylinder, high-compression-ignition engine, with two six-cylinder banks capable of independent operation. It provides 500 horsepower takeoff power with a best in class fuel efficiency. Its turbocharged air induction system has set new standards in altitude performance. Compared to other piston engines, it offers shorter runway and on-route climb time, 20-40% lower fuel consumption, and better hot and high performance. RED A03 is suitable for utility, commuter, aerobatic or agricultural application and can potentially provide a best-fit for Helicopters, Auxiliary Power Units (APUs), Hybrid Airships and Hybrid-Electric Aviation.

Its mature firewall forward installation kit will fit most other existing aircraft and the STC customers can now profit from that. RED Aircraft GmbH is looking to partner with operators interested in using its engine and will work with them in partnership to achieve STC for them, which is a lengthy and expensive airworthiness certification process.

STC partnering opportunities include sectors from commuter, cargo, STOL aircraft, fire, and agricultural aircraft sectors. The company looks forward to working with all compatible aircrafts including:

- a) Agricultural: 200 to 400-gallon aircraft as Air Tractor 301/401
- b) Single-engine: DHC-2 Beaver; DHC-3 Otter, Piper Pa-46
- c) Twin-engine: Beechcraft King Air C90, DHC-6 Twin Otter.
- d) Seaplane: Grumman G-21 Goose, and Grumman G-73 Mallard

Out of all locations around the world, RED Aircraft GmbH is especially interested in exploring collaboration opportunities in Canada and Australia. However, their aim is to generate interest in all areas across the globe.

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