



# A NEW MILESTONE FOR THE CASSIO 1 TESTBED WITH VOLTAERO ELECTRIC-PARALLEL HYBRID PROPULSION UNIT

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**VoltAero Cassio 1 testbed with the company proprietary electric-parallel hybrid propulsion unit will exceed the total distance flown of 10,000 kilometers with this aircraft's upcoming participation in Germany's AERO Friedrichshafen general aviation show.**

**Cassio 1 – which is equipped with the 600-kilowatt full-power version of VoltAero's electric-parallel hybrid propulsion unit for the company's in-development family of Cassio sustainable airplanes – departed the company's Royan-Méditerranée headquarters on France's Atlantic Coast today for the 1,650-kilometer cross-European roundtrip to Friedrichshafen, where the demonstrator is to be exhibited during the four-day AERO Friedrichshafen event that begins on April 27 (exhibit stand: A7-101).**

**Since VoltAero initiated flights with the propulsion unit in 2020, Cassio 1 has flown more than 8,500 kilometers on routes within Europe and to the UK, de-risking it for airworthiness**

## **certification on production Cassio aircraft.**

### **Local, regional airports will benefit from Cassio's sustainable air mobility**

During these extensive validations, Cassio 1 performed typical regional short- and medium-haul flights that are to be served by VoltAero's product line of four-to-12-seat Cassio airplanes. Operating in a full range of weather conditions, Cassio 1 visited both local and regional airports that will benefit from highly sustainable air mobility.

With VoltAero's proprietary electric-hybrid powertrain installed in the aft pusher position, Cassio aircraft will utilize the propulsion system's electric motors for all-electric power during taxi, takeoff, primary flight, and landing. The hybrid feature (with an internal combustion engine) comes into play as a range extender, recharging the batteries while in flight. Additionally, this hybrid element serves as a backup in the event of a problem with the electric propulsion, ensuring true fail-safe functionality.

The Cassio family will provide a highly capable, reliable and sustainable product line for commercial flights, air taxi/charter companies, private owners, as well as in utility-category service for cargo, postal delivery and medical evacuation (MEDEVAC) applications.

### **Groundbreaking this year for the Cassio final assembly line**

Production Cassio airplanes will be built in three versions, each sharing a high degree of modularity and commonality. First to be certified is the Cassio 330, with four/five seats and powered by a 330-kilowatt electric-hybrid power module. The follow-on six-seat Cassio 480 will have an electric-hybrid propulsion power of 480 kilowatts, while the Cassio 600 is sized at a 10/12-seat capacity with electric-hybrid propulsion power of 600 kilowatts.

VoltAero will be assembling the prototype Cassio 330 before year-end, with the production aircraft to be produced in a purpose-built final assembly facility at Rochefort Airport in France's Nouvelle-Aquitaine region. Groundbreaking at the industrial site is scheduled in the summer of 2022.

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