

Aventus Full-Flight Winds Selected for Next-Generation FMS Development

AVTECH Sweden AB (publ) ("AVTECH") announces that a major aircraft manufacturer has entered into an 18-month agreement with AVTECH to use the Aventus Full-Flight Winds service in its flight-test campaigns for next-generation aircraft systems. The agreement began in August 2026 and has a total value of less than SEK 0.3 million.

A major aircraft manufacturer has selected AVTECH's Aventus Full-Flight Winds service as part of its next-generation Flight Management System (FMS) development, providing tailored, high-resolution wind and temperature data directly to the FMS across all phases of flight: climb, cruise and descent.

The primary role of the service is to optimize the flight path by supplying the FMS with accurate, real-time weather data, helping its built-in optimization functions, including Top of Descent (TOD) calculations, level selections, speed targets, and fuel and time estimates, perform as intended.

Aventus runs automatically in the background and can also respond to manual pilot requests. By replacing or complementing manual wind entry with a standardized uplink, the service provides updated information without adding workload to the flight deck.

The aircraft manufacturer will use high-quality Aventus wind uplinks in its flight-test environment to support the development, verification and validation of next-generation FMS functionality. Aventus will provide standardized, repeatable wind and temperature data to support the evaluation of flight-path accuracy, fuel efficiency, environmental performance and advanced software features that depend on accurate atmospheric inputs.

"This agreement expands the use of Aventus into a demanding flight-test environment where data quality and repeatability are critical. The decision to use Aventus in these test campaigns highlights the growing importance of accurate weather inputs for future aircraft systems. As flight efficiency improves, the operational margins for inaccurate data become smaller. We are pleased to support the validation of next-generation systems with tailored, high-resolution wind and temperature data", says David Rytter, CEO of AVTECH Sweden AB (publ).

About Aventus

Aventus Full-Flight Winds provides optimized weather uplinks for each stage of flight: climb, cruise and descent.

A unique and patented system, Aventus uses advanced atmospheric modelling to create precise wind data packages tailored to each flight phase and uplinked in real time to the aircraft. This enables the onboard Flight Management Computer to calculate an accurate flight profile and predict arrival time and fuel consumption at each route waypoint.

Aventus helps aircraft fly at more efficient altitudes and supports automated RNP approaches, delivering immediate fuel and CO₂ savings for airlines. It is also designed to support future time-based flight operations, where high-quality wind data can provide further environmental and operational benefits by improving both individual flight punctuality and overall air transport system efficiency.

Press releases are available at:

<https://www.avtech.aero/press-release-english>

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About AVTECH Sweden AB (publ)

AVTECH develops products and services for digital air traffic control systems. Customers are the aviation industry's various players such as airlines, airports, aviation, technology companies and aircraft manufacturers. With the help of the company's products and services, each individual flight or the entire flight operation can be optimized in terms of economy, noise and emissions, efficiency, punctuality and safety. The head office is in Stockholm. AVTECH Sweden AB (publ) is listed on NASDAQ First North Growth Market and has appointed Redeye Nordic Growth AB to certified adviser.

Attachments

[Aventus Full-Flight Winds Selected for Next-Generation FMS Development](#)