



Summary

AVTECH's solutions are based on **patented** modular platforms which enable the company to deliver a range of services to the air transport industry depending on how the modules are combined. The modules also form the basis for a unique set of capabilities that AVTECH can offer in the form of consultancy assignments to a wide array of potential customers within the industry.

Innovations

Since the start over 25 years ago, AVTECH has been a leader in the global development of Performance-based Operations (PBO)

AVTECH is the only company in the world that can distribute processed weather information based on the most up-to-date and advanced forecasts available. These are derived from the UK Met Office's high resolution global meteorological model.

Major Airlines use Aventus' unique weather services to save fuel, reduce CO₂ footprint and improve flight optimization



Norwegian Air Shuttle –the biggest airline in Scandinavia



One of Europe's leading cargo carriers



One of Europe's leading low cost airlines

Aventus NowCast™

In a joint project, Lufthansa Cargo and AVTECH set forth to evaluate the effect on fuel consumption when high resolution wind information is utilized for in-flight updates.

The Aventus NowCast™ weather service gives pilots access to weather data of the highest quality available. When the data is fed into the aircraft Flight Management Computer this results in better flight optimization.

After an extensive and methodical evaluation, including a scientific review, it was determined that using wind data of exceptional quality had the possibility to reduce the actual fuel consumption on all flights.





All AVTECH products lead to better fuel efficiency and safer flights. They increase flight efficiency and decrease pilot work load.

Benefits

-  Improved Safety - by Turbulence avoidance
-  Saves fuel
-  Tailored to meet all operative needs
-  Improved Navigational performance
-  Improved Time Accuracy (SESAR and NextGen compliant)

How to get started ?

-  Get a demo
-  Sign up for a Trial
-  Contact us!



Sweden's largest regional airline operator

Aventus SIGMA™

A unique Hazardous weather alert service tailored to the actual trajectory.

Based on the FMS route, the Flight Crew is constantly made aware of hazards ahead.

Aventus AIR™

Wind and temperature information is collected for the actual flight and is distributed to the ACARS printer.

Same benefits as Aventus NowCast™ but is designed for airlines without Autoload.

"The difference between forecasted and actual wind data has been reduced significantly as we put the Met Office into use, which has lead to benefits for Lufthansa Cargo's fuel efficiency work. Together with AVTECH and Met Office we are now able to quantify our benefits in a comprehensive way!"

Laura Wächtler, Manager Fuel Efficiency, Lufthansa Cargo

"Norwegian's fleet of aircraft is one of the most environmentally friendly in the world. Our ambition is to continue reducing emissions per passenger and help make aviation carbon neutral by 2050. We want to reduce the environmental footprint by flying the most modern and fuel-efficient aircraft in the skies and to help test and develop solutions for the future. Combining AVTECH's communication solution with their access to high quality weather may reduce our environmental footprint even further" says

Tomas Hesthammer, Director of Flight Operations, Norwegian

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