



Aventus SIGMA lead to better fuel efficiency, safer flights higher passenger satisfaction and less pilot work load.

#### Benefits

- Improved Safety - by turbulence avoidance
- Saves fuel – by better route prediction
- Tailored to meet all operative needs
- Improved navigational performance
- Improved time accuracy (SESAR and NextGen compliant)

#### How to get started ?

- Contact AVTECH!
- Get a demo!
- Sign up for a trial!

#### The Challenge

Turbulence can quickly influence passenger comfort and operational cost. If turbulence and other severe weather is avoided, customer satisfaction and operational efficiency is safeguarded.

#### The Transformation

By innovative means supply the pilots with the best available information in line with company policy to focus on safety, passenger comfort and environmental protection.

#### The Solution

Seamless implementation of Aventus SIGMA Ground to the existing PPS briefing.

Aventus SIGMA, a service that identifies turbulence and other severe weather for the planned trajectory.

#### The Company

BRA – Braathens Regional Airlines” Sweden's largest regional airline, operates from their Bromma-Stockholm Airport base on Swedish and international routes. With fierce competition, BRA focus intensely on safety, environmental friendly operation as well as customer satisfaction.

Being an Air Support PPS customer, integration with external suppliers to add valuable services is very easy and does not require any system modification.

By implementing Aventus SIGMA wind and weather information to all our pilots personal briefings, we have a better understanding and control of the environmental factors that affect the pilots decisions, says Michael Visonj, Technical Chief Pilot.



## 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.

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 derived from the UK Met Office's high resolution global meteorological model.

*Aventus SIGMA is easily integrated in the PPS briefing package and gives pilots the most accurate wind and turbulence information available on the market.*

## The Experience

Aventus SIGMA service adds a complete turbulence report to the PPS Pilot briefing.

At each waypoint along the entire trajectory, a detailed report is given on the expected turbulence level. Unlike using the hand drawn maps, which have a 3-hour time resolution, SIGMA predicts the turbulence at the exact ETA for the entire route.

- *Using Aventus SIGMA greatly enhances our turbulence prediction says Michael Visonj, Technical Chief Pilot.*

*-Our pilots can now make fact based decisions when finding the most efficient routes and altitudes. This saves fuel and maintains our customers positive experience flying with BRA, he concludes.*

## Aventus SIGMA

Powered by the Met Office, Aventus SIGMA improves safety and comfort for passengers and crew. The forecast is tailored to the flight's trajectory and time so turbulence can be avoided or reduced. If turbulence is encountered, the crew will have the best information to take the best decision.

## SIGMA

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



## AIR SUPPORT

Integrated with PPS Flight Planning

*"Using Aventus SIGMA greatly improves our turbulence prediction!"*

*Michael Visonj, Technical Chief Pilot*



## CONTACT

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