Newsletter #4

Dear Friend of AVTECH!

It has been a good full quarter since our last conversation, and even if silence could be seen as a sign of inactivity, nothing could be more incorrect when it comes to SIGMA!

SIGMA iOS Tablet App

There has been an intense period of finalizing the iOS App. The development team has made a tremendous job and the first version, 1.0, will be ready for release as planned on June 15th.

It is very exciting to see all the new functions being implemented and the first pilots are actually using the application when flying.

There are approximately 20 persons, all active line-pilots, that are supplying us with really good feed-back on both the accuracy of the weather forecasts and design functions.

Currently, the App has Significant Weather Charts available, something the pilots normally would have to carry in a paper format.

More importantly, the pilots can enter route- and flight details of his or her particular flight and then receive the most accurate wind- and turbulence information available in the world. The initial live-testing indicates a very positive response, with envious sighs from pilots not yet having access to the application.

For airlines, having AVTECH's Next Generation weather data in their operation, the service means safer decisions made by their pilots, as the Flight Crew now actually can see where potentially dangerous weather is located.

In addition, when using the High-Resolution winds available in the App, Crews can fly a smoother profile and use less fuel than before.

Why High-Resolution weather is necessary to detect turbulence more correctly

Any pilot is used to viewing a high-velocity stream of wind (also known as a Jet Stream) as a line of wind with pretty homogenous qualities. They have also been taught that the turbulence is located is an area near that Jetstream.

As research is developing, this picture has become less true. The Jetstream does not display a static behavior but is more like a curving snake sliding around!

In turn, this means that any prediction of turbulence (yes, it is still located near the Jet Stream) must be dynamic if it is to be correctly forecasted.

The ICAO standard, which is available for free to the aviation community, is updated every three hours, with update points every 7 minutes in cruise.

With the lively behavior of turbulence areas, such update intervals are simply not adequate to make detailed forecasts. Therefore, AVTECH is moving into the Next Generation of forecasting, giving updated weather information every 45 seconds, with hourly updates of the forecast.

Our SIGMA service is based on the High-Resolution model from Met Office, UK, which can supply weather information with the same accuracy on every part of our globe!

We are very excited about our fantastic weather forecasts, which we can bring directly to the Cockpit by our tablet App!

Like to try it?

Is this interesting? Are you working for an airline looking for a state-of-the art weather solution, or maybe a pilot who likes to have accurate turbulence information when flying? Go to our homepage (www.avtech.aero) and apply for your [30-day free of charge test](http://); We will be happy to set you up for a seamless trial!

GDPR

The new GDPR-rules, protecting the personal rights of European citizens, will come into effect on May 25th. AVTECH will of course stay compliant with all legal requirement, but in order to be that we need to contact you soon again. In the near future, you will receive an email from us which clearly explains how our commitment to the new legislation is handled.

As a friend of AVTECH you will need to permit us to store some very basic information if you like to continue to follow our newsletters. Personally, I'm pretty sure you would like to continue to follow us, but the choice is of course yours!

Maybe you like to know what else, beside SIGMA, AVTECH is up to?
Have a jump to YouTube and view [our vision of the future](http://)! Please enjoy.

There is more exciting news to follow and until then I wish you a wonderful time!

Best regards

Sören Skog
Marketing Director

AVTECH