

# AVTECH



## Newsletter #8

**Dear friends of AVTECH!**

### **What about the weather?**

More and more the aviation industry recognizes the importance for airlines to have access to relevant weather data and that it has become a high demand. A great example of this is [how Norwegian reduces fuel consumption by using the Aventus system](#).

AVTECH is meeting this demand with the exclusive access to the Met Office unique high resolution 10KM weather forecast. Having the optimization tools from AVTECH improves situational awareness and helps making the right decisions during a flight. It also provides an ability to avoid severe weather such as turbulence which increases passenger comfort and in the end saving on fuel and reducing CO2 emissions.



**Introducing [proFLIGHT's own website](#)**

To celebrate this we extend the previous offer to sign up for a 3 month [free](#) access to proFLIGHT Premium.

With proFLIGHT app you will get access to all features in the Aventus suite of products.

- High resolution CAT and winds. High-resolution turbulence- (CAT), wind- and temperature forecast tailored for each flight in space and time.
- Flight profile optimization
- Visualized and interactive weather layers, including SIGMETs, SWCs and more.
- Easy to use interface - Developed in close cooperation with professional pilots for the best user experience.
- Minimum data transfer - Optimized data format to minimize the amount of data being transferred.



AVIATION WEATHER AND FLIGHT OPTIMIZATION IN ONE

### What have we been up to recently?

During the first two quarters AVTECH has been focused on the development of two new service additions, a **cruise profile optimizer** and a **climb profile optimizer**. The cruise module will provide pilots with the most optimum vertical flight path in real time based on the current route, weather, aircraft weight and give the pilot an option to prioritize between fuel and time.

The climb module, where development is partly funded by the Swedish Energy Agency, will provide pilots with a set of climb speed recommendations before take-off in order to fueloptimize their climb profile. The calculation is based on real-time information on climb route, aircraft weight and AVTECH high resolution weather. The accurate weather data will enhance the efficiency of the climb segment, saving fuel and CO2. These new services should be able to increase the fuel efficiency of the flight beyond the current capabilities of the installed flight computer on-board the aircraft. The expected outcome is a fuel saving potential of 1% of cruise fuel and 3% of climb fuel. For an average Boeing 737 flight this could roughly equate to a 75 kg + 48 kg fuel saving potential.

In a very short period **proFLIGHT** has attracted hundreds of pilots around the world. The users represent more than 70 different globally operating airlines. The feedback from the pilots is very positive and it helps us to further develop proFLIGHT to become an outstanding decision support tool for airline pilots.

A process has been initiated to get an EASA approval for proFLIGHT. The approval guarantees that proFLIGHT comply with guidelines and rules for Electronic Flight Bag (EFB) weather applications as set out in the standardization documentation. The approval eases the process for the airlines to implement proFLIGHT in their daily operation. We estimate that we will have the EASA approval in place for a commercial launch of proFLIGHT Q4 2019.

Hopefully you have seen our activities in social media and online publications, if not, feel free to visit our [website](#) newspaper and explore the latest articles.

Furthermore we exhibited at three conferences in March-April (Dubai, Germany and Netherlands) where our customers and partners co-presented their projects with us. To find out where we will be next, check our [event calendar](#).

Please let us know if you would like to have more information or schedule a meeting for a demo! Send an email to [sales@avtech.aero](mailto:sales@avtech.aero)

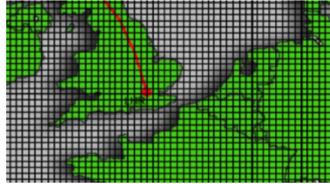
Thank you and we wish you all a great summer with real nice weather!

**The AVTECH Team!**



## Cool Video

Explaining 10K Weather



## 10K Weather

Met Office (UK)

[Read more >](#)



## FREE

[Sign up today!](#)

Contact us:

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