



AVTECH

Aventus SIGMA

Hazardous weather alerts based on your actual route

The flow of information to the flight deck is higher than ever!

To reduce workload for the flight crew and make better decisions, tailored and precise information tools are the key.



Aventus SIGMA, a high-quality tool that very adequately presents Weather hazards (such as Icing, Turbulence, Volcanic ash, etc) to your aircraft, is a real-time weather alerting system which communicates through ACARS and assures your company's aircraft are notified to new meteorological hazards related to the actual route in the FMS.

The design of Aventus SIGMA reduces pilot workload and relieves the crew of difficult and inexact interpretation of weather maps, who sometimes can be 6 hours old.

Aventus SIGMA focuses on applying only the parts of hazardous weather which affect your flight. Alerts are related to points in your flight plan (instead of LAT/LONG) and if ATC gives your flight a route change, SIGMA will apply the new route to any hazardous weather along the path and send them to your aircraft.

With the latest forecasts on turbulence, icing, departure and arrival weather qualified decisions can be made that allows mistakes to be avoided.

What does the pilot get?

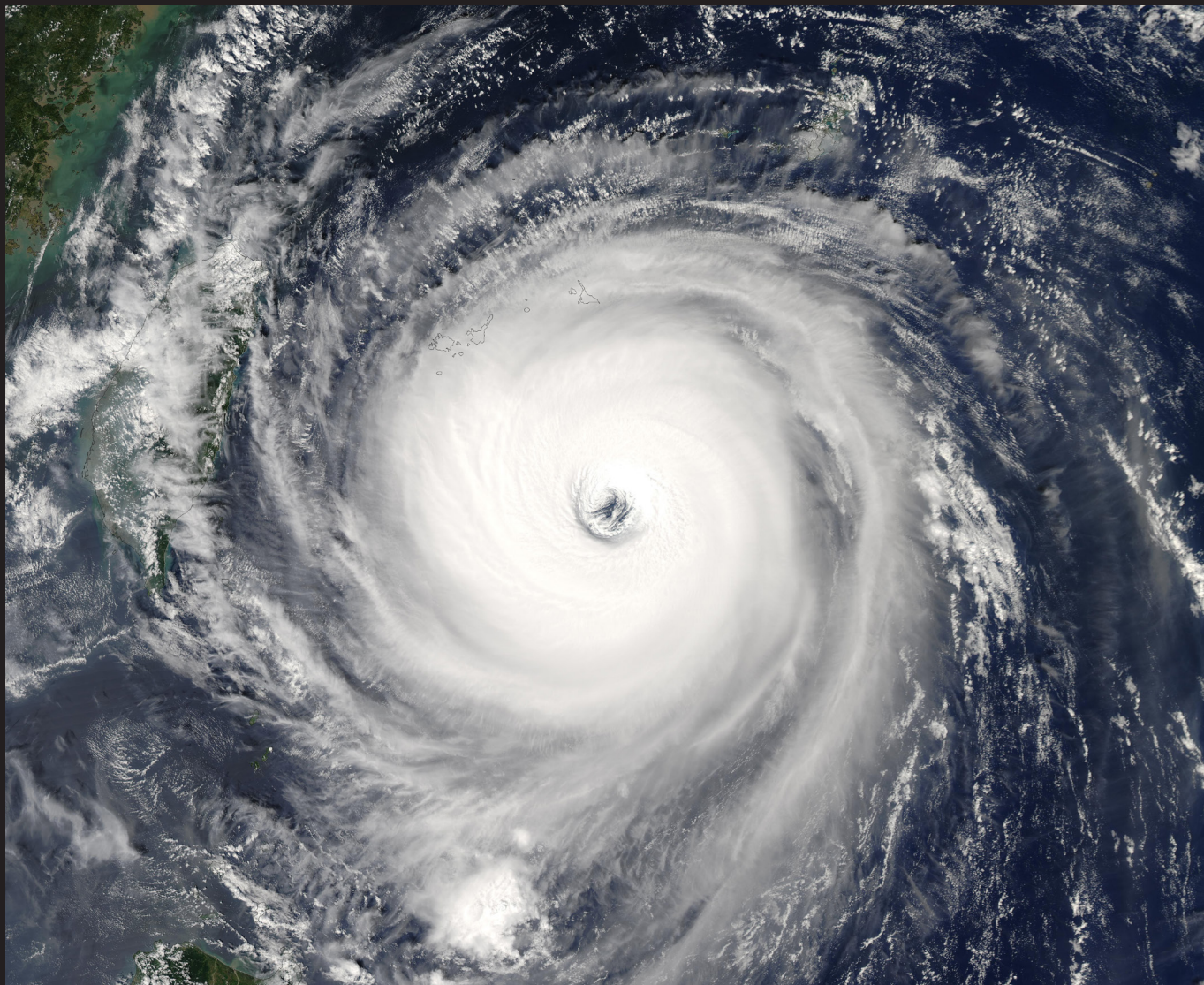
The Aventus SIGMA tool can be tailored to meet all operative needs. Below is an example of what a crew could expect using Aventus SIGMA:

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AVENTUS WXR
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DEP ESSA
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ESSA DEP ATIS C
0715
DEP RWY 01L
WIND 030 10 KT
CLD FEW 12000 BKN 1400
TMP M1 DP M3 QNH 1012
--
SIG WX ENR
--
SIGMET 04 VALID 290900/291300
ESSA- ESSA SWEDEN FIR
SEV TURB FCT FROM NEXIL/-10 TO SVD/-20
FL150/330
--
AVENTUS HAZARD 101-01
EXP LGT TURB FROM GVA TO MTL FL350/410
--
DEST LEPA
--
LEPA 290830Z 05004KT 010V100 9999 FEW020
FEW025TCU 24/17 Q1027 NOSIG

TAF LEPA 290500Z 2906/3006 05005KT 9999 SCT020
TX27/2913Z TN16/3005Z
TEMPO 2914/2918 26008KT PROB30 TEMPO 2912/2920
4000 SHRA FEW020TCU BKN030
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ALT LEIB
--
LEIB 290900Z 09008KT 060V120 9999 FEW020 SCT030
24/18 Q1026 NOSIG

TAF LEIB 290800Z 2909/3009 08010KT 9999 SCT025
TX27/2913Z TN18/3006Z PROB30 TEMPO 2909/2912
SHRA FEW020TCU BKN025 BECMG 3002/3004 VRB04KT
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The pilot receives in plain language relevant weather for his/her route and will therefore always have the most recent information that is available.



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Enabling Performance Based Operations

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