



OPTIMARE joins Aerodata Group

Since March 1, 2013 Optimare Systems GmbH is part of Aerodata group. With its 35 employees, Optimare Systems will continue to operate from its facility in Bremerhaven, Northern Germany.



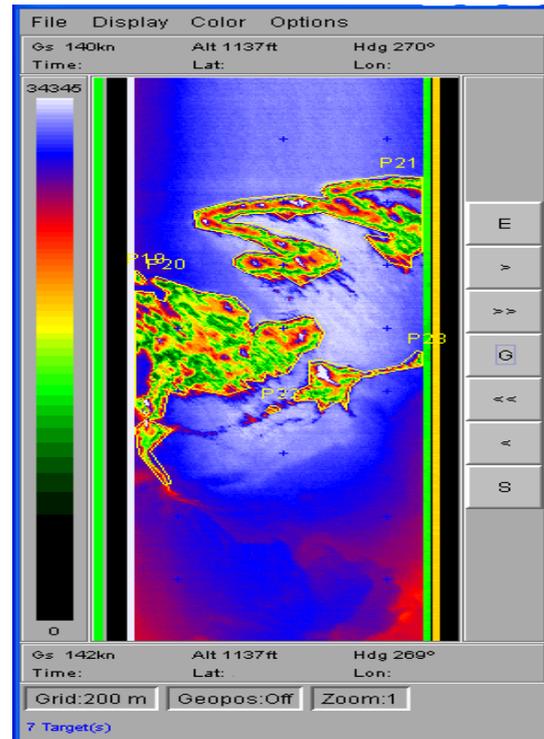
Optimare facility in Bremerhaven

Main business of Optimare is maritime sensing; this includes measurements from aircraft and from diving buoys respectively floats. The combination of Optimare's and Aerodata's capabilities enables both companies to access new markets and provide more attractive solutions in the field of maritime surveillance. Optimare's core capability is the provision of airborne oil spill detection systems including sensors. Some of these sensors are unique; e.g. the laser fluorosensor for the determination of oil types and the microwave radiometer for the measurement of oil thickness.



Optimare MEDUSA in Dornier 228

Optimare's mission system MEDUSA has been installed on a number of different aircraft types; e.g. Dornier 228 and CASA 235 / 295. Together with the Optimare sensors, MEDUSA provides detailed analysis of oil pollution, both in the aircraft and in ground post processing systems.



MEDUSA Presentation of Oil Spill Data

Flight Inspection Aircraft Deliveries

Delivery of Hawker 750 for SRAA (Seoul Regional Aviation Administration) of Korea

In 2011, the Aerodata AG was awarded a contract by the SRAA (Seoul Regional Aviation Administration) of Korea to deliver a new Hawker Beechcraft Hawker 750 equipped with a state of the art flight inspection system AeroFIS®.

As the prime contractor Aerodata was responsible for the turn key delivery of the flight inspection aircraft. This comprises the procurement of the new aircraft, the development and the production of the new flight inspection system AeroFIS® AD-AFIS-355 and integration of the fully automatic flight inspection system, including additional antenna installations, camera system AD-GHT-0101 and active direction finding system. Besides the capability to flight inspect the established radio navigation systems, the AD-AFIS-355 provides also the ability



to inspect advanced ADS-B and RNAV procedures, as well as GBAS procedures.



Hawker 750 of Korean Flight Inspection Unit

The new flight inspection system enables the operator to achieve the highest possible accuracy by the use of autopilot coupling and hybrid position reference. The included camera system provides accuracy for category III approaches without installing a ground station. The additional active direction finder enables the operator to exactly localize any detected interference transmitter.

After receiving the Supplemental Type Certificate (EASA STC) for the aircraft modification the aircraft was accepted on the 22nd of February by the completely satisfied Korean customer, the Seoul Regional Aviation Administration (SRAA). Beginning of March the aircraft was ferried to Seoul ahead of schedule.

Presently the aircraft is starting the operation in Korea.

New Flight Inspection System for the CAA Taiwan

In 2011, Aerodata AG was awarded a contract by the CAA (Civil Aviation Authority) of Taiwan to deliver a new King Air 350iER equipped with a flight inspection system AeroFIS®.



Taiwanese KingAir 350iER

As prime contractor Aerodata was responsible for the procurement of the new flight inspection aircraft, Type Beech KingAir B300, development and production of the new flight inspection system AeroFIS® and integration of the fully automatic flight inspection system into the factory new Super KingAir 350iER. Besides the established radio navigation systems the AD-AFIS-280 provides also the capability to inspect advanced ADS-B and RNAV procedures. The future installation of equipment for the inspection of GBAS procedures is provided.



AeroFIS® Installed in CAA Taiwan KingAir B350iER

After issuing the Supplemental Type Certificate (EASA STC) for the aircraft modification the aircraft was ferried to Taiwan for further training and certification flights. In December 2012 the King Air has been accepted by the CAA for flight inspection and on the 9th of January 2013 the new Taiwanese flight inspection aircraft took over operation.

Extension of the Flight Inspection Fleet of the Argentinean Air Force

In December Aerodata finalized upgrades of the two Flight Inspection Aircraft to perform RNAV calibration flights. In both Argentinean LearJet 35A new cockpit located GPS equipment has been installed and certified. Installation has been performed by an Argentinean maintenance company, which is a long-time partner of Aerodata in similar projects.



Argentinean LearJet 35A with Flight Inspection System



The pilots and flight inspectors have been trained in classroom and practical training to operate the system. From now on the RNAV-procedures can be locally tested and officially released.

New RNAV System for DGCA Indonesia



Hawker 900XP of DGCA Indonesia

In autumn 2012 Aerodata delivered a portable flight inspection system (AD-RNAV-0130) for inspecting all kinds of area navigation procedures including radar coverage checks installed in a Hawker 900XP to our Indonesian customer DGCA. The system is using Aerodata's hybrid position reference system, which provides dynamic accuracies less than to a couple of centimeters. The installation was certified by EASA and was implemented by Hawker Pacific, Singapore, Aerodata's long term partner for installations in the Asian market.

Paris Air Show 2013

Aerodata and Optimare will exhibit at Paris Air Show, Le Bourget, June 17 – 23, 2013. Please visit us at our stand C341 in hall 2C.

Aerodata will also present the AeroMission demonstrator console installed in a King Air 350 ER at the Beechcraft exhibit.

New Flight Inspection System for Azerbaijan

In September Aerodata AG was contracted by Silk Way Airlines LLC, Azerbaijan, for the delivery of a flight inspection system AeroFIS® including integration into an ATR42-500 which is operated by the Silk Way Business Aviation LLC.

The Contract also includes a calibration and test system, a comprehensive spare parts package, an office computer system for Archiving and Reprocessing of the collected flight inspection data and a DGPS-based radar Inspection and Analysis System.

Besides the capability for inspection of conventional navigation aids like ILS (incl. CAT III), VOR, DME, and NDB the AeroFIS® will provide enhanced functionality for area navigation (RNAV), flight validation of instrument flight procedures such as SIDS, STAR and SIAP and modern Surveillance Radars. The EASA certified autopilot coupling of the system will substantially reduce pilot workload during flight inspection.

The delivery of the AeroFIS® equipped flight inspection aircraft on the basis of the ATR42-500 is scheduled for autumn 2013.

In a second step this aircraft will be equipped with a digital aerial camera and a LIDAR system for aerial photogrammetry purposes.

New Flight Inspection Contracts

Further contract for Flight Inspection Aircraft from SMATSA

End of December 2012 Aerodata has been awarded again by Serbia and Montenegro Air Traffic Services Agency (SMATSA) with a contract for delivery of another factory new Special Mission "Super King Air 350". Within this year the aircraft will be produced and Aerodata will modify and equip it as multi role aircraft for flight inspection and medical transportation. The Aircraft will be delivered to SMATSA as a turnkey solution. The demand for this second flight inspection aircraft results from SMATSA's impressive international success, since delivery of their first AeroFIS® equipped flight inspection aircraft.

Exhibitions 2013

Helitech, Duxford, September 24 – 26, 2013.

Maritime Reconnaissance & Surveillance Conference, Rome: 25. - 26. September 2013.

Dubai Air Show, Dubai, November 17 – 21, 2013.

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