



Optimare Systems – New Address

Optimare Systems GmbH, a 100% subsidiary of Aerodata AG, has moved to a new location in Bremerhaven. The company relocated following the closure of the airport in Bremerhaven. The new address is

Optimare Systems GmbH
Fischkai 1
27572 Bremerhaven
Germany

Phone numbers and email contacts remain unchanged.

Flight Inspection Deliveries

Algerian Air Force starts operation of Flight Inspection System

In October 2016 a flight inspection system AeroFIS® delivered by Aerodata AG was put into operation by the Algerian Air Force. The AeroFIS® will be flexibly installed into two Beechcraft 1900D aircraft.



Algerian Air Force 1900D

The scope of delivery also included a calibration and testing system, an extensive spare parts package, an office computer system for archiving and data analysis of the flight measurement data as well as a RTK-GNSS surveying system for air-field surveys.

First calibration flights performed by the Algerian Air Force confirm the readiness of the supplied AeroFIS® to measure conventional navigation systems such as ILS (including CAT III), VOR, DME, NDB, RNAV and modern surveillance radars as well as Russian navigation systems RSBN/PMRG.

The EASA certified autopilot coupling of the system substantially reduces pilot workload during flight inspection.



Algerian Air Force Flight Inspection System

Helicopter Flight Inspection System Delivery

In October two helicopter flight Inspection systems AD-HELIFIS-200 have been delivered to our customer Balai Kalibrasi (DGCA Indonesia).

The systems are built for flight checking/validation of procedures (GPS NPA, SID/STAR), RNAV (B-RNAV, P-RNAV, RNP) as well as NDB and PAPI.



HeliFIS for Bell 429 Helicopter

The system design was focused on using identical software as for the fixed wing version AD-AFIS-255, operated by DGCA in their flight inspection



aircraft. Part of the flight inspection system is a state of the art helicopter workstation and a helicopter equipment console.

The installation into the Bell 429 helicopters will be performed at the facilities of our partner Hawker Pacific in Singapore.

With this delivery, the Indonesian fleet will be enlarged to ten aircraft exclusively operated with AeroFIS®.

Delivery of First Portable Helicopter Flight Inspection System

The Helicopter Flight Inspection System series of Aerodata was expanded by a small portable system, which is completely independent of any primary interfaces.

The AD-HeliFIS-0300 can work autonomously on battery for 4 hours and receives its satellite data from a quick-release, window-mountable GNSS antenna. It is suited for any type of helicopter and can be installed within a few minutes.

It contains a multi-channel GNSS receiver and an Inertial Measurement Unit (IMU).

The system is controlled by the approved Aerodata Flight Inspection Software, using the new Graphical User Interface layout on a ruggedized laptop computer. An additional Portable Cockpit Information Display (PCID) based on a tablet computer provides guidance information for procedure validation. Optionally, PAPI and Radar inspections can be performed as well.



Laptop for operation of HeliFIS

The first portable HeliFIS-0300 was delivered to JCAB (Japan Civil Aviation Bureau) in February 2017.

New Flight Inspection Contracts

Upgrade of the Netherlands Flight Inspection System

Aerodata has contracted with the Stichting Nationaal Lucht- en Ruimtevaartlaboratorium, Netherlands (NLR) to upgrade their flight inspection system AD-FIS-5 to a state-of-the-art AeroFIS®.

The system will be installed by NLR into the Cessna Citation II and is capable of inspection of conventional navigation aids like ILS (incl. CAT III), VOR, DME, TACAN, and NDB.

Upgrade Contract for the Flight inspection systems of Airports Authority of India (AAI)

Aerodata has been awarded by the Flight Inspection Unit of the Airports Authority of India (AAI) with a second contract for upgrading their flight inspection systems AD-AFIS-220 to a state-of-the-art AeroFIS®.

The systems installed in DO-228 and King Air 350 flight inspection aircraft, will be upgraded in India by Aerodata's experienced engineers.

Delivery of the 3rd Maritime Patrol Aircraft to the Armed Forces of Malta



Arrival of 3rd Maritime Patrol Aircraft in Malta

At the end of April 2017, Aerodata has delivered the 3rd maritime patrol aircraft to the Armed Forces of Malta. The project was procured under the Internal Security Fund (specific Actions) Program 2014 – 2020 of the European Union. The first two aircraft had been delivered in 2011 and 2012.

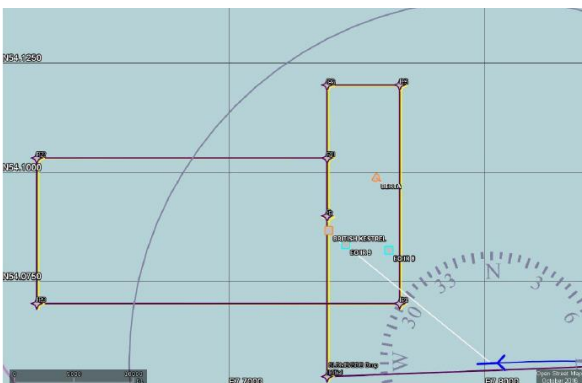
Aerodata as the prime contractor purchased the King Air B200GT from Textron Aviation and performed all modifications at its facility in Braunschweig. These modifications include the increase of the maximum take-off weight (MTOW) to 14,000 lbs to achieve the endurance required



by the Armed Forces of Malta. Subsequent to the weight increase, the maritime patrol modifications were implemented. The maritime patrol modification comprises bubble windows, drop hatch, Aero-data's fully integrated mission system AeroMission® with surveillance sensors and a comprehensive communication suite. Both modifications have been certified by EASA through supplemental type certificates (STC's).

AeroMission® supports the crew on the aircraft to perform the interpretation of sensor data from radar, EO/IR sensor, AIS transponder and SAR direction finder. The AeroMission® client/server architecture provides mission data at the operator console, in the cockpit and to other clients, e.g. laptop computers distributed in the cabin of the aircraft. Therefore, workload may be shared between several operators. The flexibility of the AeroMission® system architecture allows its use on different platforms such as helicopter applications as well as for multi-console patrol aircraft. In addition to the processing and display capability, AeroMission® enables the control of the sensors on the moving map, uploads flight plans to the aircraft FMS and manages the communication links within the maritime patrol aircraft.

New software capabilities have been introduced in AeroMission® to improve the efficiency of the aircraft operation. These capabilities include improved generation of search / surveillance patterns, generation of drop patterns, improved symbology and new compact data protocols for transmission of a complete situational awareness picture to a ground station.



Automatic generation of drop patterns

Following the inauguration ceremony on May 22 under the auspices of the Maltese Minister for Home Affairs and Security and the Parliamentary Secretary for EU Funds and 2017 Presidency, the aircraft was put into service by the Armed Forces of Malta.



Inauguration Ceremony for the 3rd Maritime Patrol Aircraft of the Armed Forces of Malta

Teaming between EASP AIR, Aerodata and AeroRescue on Maritime Surveillance and ISR Operations

Paris Air Show 2017
Aerodata and OPTIMARE will exhibit at Paris Air Show in Le Bourget from June 19 - 25. Please visit us at our stand C354 in hall 2C.
One of the AeroRescue Dornier 328 SAR aircraft fitted with AeroMission® can be viewed at the static display.

EASP AIR (Schiphol), Aerodata and AeroRescue (Darwin, Australia) signed a teaming agreement in order to strengthen their cooperation for FRONTEX and UK Border Force surveillance missions. This cooperation is focused on operational mission support

with special mission aircraft like the multirole Dornier 328.

"The long experience and extensive knowledge of both teaming partners will guarantee our customers the best efficient and successful mission support", Pieter Voeten (MD of EASP AIR) emphasized. "This teaming is a next step forward to integrate multirole airborne capabilities, innovative missions systems and aerial mission support to governmental bodies and EU Agencies."

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