



Flight Inspection Deliveries

Upgrade of the Netherlands Flight Inspection System completed

In September Aerodata has completed the modernization of the flight inspection system AeroFIS® operated by the Stichting Nationaal Lucht- en Ruimtevaartlaboratorium, Netherlands (NLR).

The system is capable of inspection of conventional navigation aids like ILS (incl. CAT III), VOR, DME, TACAN, and NDB.



New Graphical User Interface of AeroFIS®

Part of the modernization program was the integration of the new Real Time Computer AD-RTS. With its 100Hz data acquisition rate, this new computer is setting new standards in flight inspection.

Moreover, the upgraded systems features the new graphical user interface, that was designed in close cooperation between our customers and an external designer and following the latest design guidelines for ergonomic man-machine interfaces.

The result is a new modern look and feel, clean arrangement of the display elements, easy to learn, and existing customers still feel "at home".

Helicopter FIS Indonesia complete

In December two helicopter flight Inspection systems AD-HELIFIS-200 installed in two Bell 429 helicopter have been put into operation by 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.

The system design 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 installation into the Bell 429 helicopter is a state of the art helicopter workstation and a helicopter equipment console.

The installation was performed at the facilities of Bell Helicopter in Singapore.

With the completion of this delivery, the Indonesian fleet now consists of ten aircraft exclusively operated with AeroFIS®.



Bell 429 helicopter with Flight Inspection System HeliFIS®



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

In December, the Flight Inspection Unit of the Airports Authority of India (AAI) has put their second modernized flight inspection system AD-AFIS-220 into operation.

Besides the established radio navigation systems the system, installed in a Dornier DO-228 aircraft, also provides the capability to support SBAS (GAGAN) Flight validation.

Part of the delivery was furthermore a moveable calibration tower, that can be used for calibration, maintenance and testing of the modernized AeroFIS® without removal of the system or its components from the aircraft.

New Flight Inspection Contracts

Upgrade Contract for the Flight inspection system of Civil Aviation Authority of Sudan (CAAS)

Aerodata has been awarded by the CAA Sudan with a contract for modernization of their flight inspection system AD-AFIS-12 to a fully automatic state-of-the-art AeroFIS®.

3rd New Flight Inspection System for Aerothai

After participating in an international tender, Aerodata AG was again announced as the winner to deliver one further flight inspection system AeroFIS® to the Aeronautical Radio of Thailand. The delivery includes the installation into one new Beech King Air 350i. The fleet of AeroThai will be enlarged to three aircraft exclusively operated with AeroFIS®

2 new Flight Inspection Aircraft for the Air Navigation Services (ANS) of the Czech Republic

Through an international tender, Aerodata has been selected as turnkey supplier for two factory-new flight inspection aircraft, type Beechcraft King Air 350. Both aircraft will be equipped with Automatic Flight Inspection Systems of the AeroFIS® series, customized to comply with the requirements of ANS. The aircraft will be the first Aerodata equipped flight inspection aircraft that carries the new Rockwell Collins ProLineFusion avionics suite. The contract further includes 5 years aircraft maintenance of both aircraft, CAMO as well as 20 years maintenance for both AeroFIS®

First service contract for Maritime Surveillance Team (NL EASP AIR, Aerodata and AeroRescue)



Dornier 328 in Malaga

The teaming between NL EASP AIR (Schiphol), AeroRescue (Darwin, Australia) and Aerodata has resulted in a first contract with FRONTEX, the European border protection agency. During August 2017, NL EASP AIR performed very successfully surveillance missions on behalf of FRONTEX from its base in Malaga, Spain. In total, 124 mission hours were achieved in one month, using a Dornier 328 aircraft fully equipped for ISR operations.

25 years OPTIMARE

In 1992, OPTIMARE was founded by Dr. Theo Hengstermann as a spin-off from the University of Oldenburg.





From day one, OPTIMARE focused on the airborne detection of maritime oil pollution. The know-how for the first laser fluorosensor – capable to determine types of oil pollution from an airborne platform – was transferred from the University of Oldenburg to the newly founded company. The laser fluorosensor is still unique – and was complemented later by the microwave radiometer for the measurement of film thicknesses of maritime oil spills. At the same time, OPTIMARE developed the data acquisition and processing system MEDUSA® and very sophisticated algorithms for the analysis of airborne maritime oil spill measurements.



Royal Air Force of Oman C-295 equipped with MEDUSA Pollution Monitoring Subsystem

OPTIMARE expanded its business in the second decade of its existence and managed to acquire contracts for pollution monitoring systems from major OEM's like Airbus and RUAG. Further, during the 2nd decade, OPTIMARE was involved in the operation of the German Do 228 polar research aircraft.

Since March 2013, OPTIMARE Systems GmbH is an important part of the Aerodata group. OPTIMARE complements Aerodata's capabilities through its unique know-how in the design of airborne oil pollution sensing systems. Aerodata and Optimare have the ability to provide turn-key solutions for maritime domain awareness.



Latest laser fluorosensor variant LFS-P

Singapore Air Show 2018

Aerodata, OPTIMARE and AeroPearl will exhibit at Singapore Air Show from February 6 – 11, 2018. Please visit us at our stand L75 in the exhibition hall.

Aerodata and OPTIMARE will present the latest AeroMission operator workstation and compact laser fluorosensor LFS-P.

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