



**Surveillance Aircraft Delivery**

**King Air 350ER for Maritime Patrol delivered to PNA**

In November 2013, Aerodata has completed the delivery of a King Air 350ER aircraft to the Prefectura Naval Argentina (PNA). The program was executed under subcontract from Beechcraft. Aerodata has provided and integrated its mission system AeroMission, a search radar Telephonics 1700B, a FLIR Safire III EO/IR sensor, direction finder, AIS transponder and various communication equipment.

The aircraft replaces a Casa 212 aircraft which has been used for surveillance by PNA.



King Air 350ER MPA for PNA

**New Contracts for Surveillance Systems**

**Contract signed with UKSATSE for Search and Rescue Aircraft**

In the first part of 2013, Aerodata had signed a contract for the delivery of AeroMission and sensors with UKSATSE, a special mission operator in the Ukraine. AeroMission will be installed into an Antonov 26 aircraft by the Antonov Design Bureau, converting the AN-26 into a search and rescue aircraft. The delivery is scheduled for 2014.

**Optimare Systems signs contract for Pollution Subsystem with Airbus Military**

Airbus Defence & Space has awarded Optimare Systems, a 100% subsidiary of Aerodata AG, a contract encompassing two MEDUSA pollution surveillance suites and ground simulator units. The end-user details are kept confidential.

MEDUSA is already installed on more than 15 aircraft, amongst others on Dornier 228 and CN 235 aircraft.



CN 235 with MEDUSA pollution monitoring system, operated by SASEMAR (image courtesy of EADS/CASA)

**Flight Inspection Aircraft Delivery**

**Delivery of the 73rd Flight Inspection System**

On September 19<sup>th</sup>, Aerodata has handed over the 73rd Flight Inspection System for Smart Aviation and NANSO, Egypt. Aerodata was responsible for the 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 350.



Smart Flight Inspection KingAir 350i

Part of the Supplemental Type Certificate (EASA STC) for the aircraft modification was an interface connecting the Flight Inspection System to the aircrafts autopilot system. Thus the pilot may select the AeroFIS for precise steering of the aircraft along all flight inspection profiles. Pilots are supported by a Cockpit Information Display (CID) which shows the flight inspection profile and the way to intercept this profile.

During the training course in Braunschweig, the operators got familiar with flight inspection procedures and system operation.



### 14th AeroFIS® User Meeting in Braunschweig

Between September 2nd and September 5th the 14th AeroFIS® User Meeting took place. The flight Inspection customers from all over the globe joined the meeting in Braunschweig. Our customers, engineers from the Technical University of Braunschweig, the German Aerospace Centre (DLR), ENAC (La référence aéronautique, France) and the Aerodata gave presentations and exchanged experiences about recent flight inspection relevant topics. Flight Inspection and ADSB, Flight Inspection of Helicopter Procedures, Multi Constellation Satellite Navigation, the Detection and Localization of RF Interference Sources were part of the agenda as well as information and experiences about new AeroFIS® features.



Claus S. Wilkens presents Aerodata's new GNSS Receiver AD-GNSS-0100

All participants took the opportunity for discussions, information exchange and keeping up to date with our latest technical developments and innovations in the field of Flight Inspection.



Participants of the 14th AeroFIS® User Meeting

### New Flight Inspection Contracts

#### New Flight Inspection System for CAA Slovakia

In September 2013 Aerodata has been awarded by the Civil Aviation Authority of Slovakia (CAA Slovakia) with a contract for upgrading their flight inspection system AD-FIS-10 to a state-of-the-art AeroFIS®.

Besides the capability for inspection of conventional navigation aids like ILS (incl. CAT III), VOR, DME, TACAN, 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.

#### New Flight Inspection Aircraft for DGAC Ecuador

On the 10<sup>th</sup> of October 2013 Aerodata AG has signed a contract for the delivery of one new Flight Inspection System AeroFIS® to the DGAC Ecuador with the International Civil Aviation Organization (ICAO).

As a prime contractor Aerodata will be responsible for the procurement of one new flight inspection aircraft, a Beechcraft Super KingAir B300, as well as development and production of one fully automatic flight inspection system AeroFIS® including integration of the system into the aircraft.



Signing Ceremony

#### King Air Authorized Service Center Agreement extended

Beechcraft and Aerodata have extended the service center agreement for all King Air models for another term of 3 years. Aerodata AG initially achieved the authorized service center approval in 2009. In addition to aircraft maintenance,



Aerodata AG has the capability to provide turn-key special mission aircraft to a worldwide customer base. Aerodata is the leading provider of flight inspection aircraft and offers a number of other special mission systems to customers. During the past 10 years, Aerodata has supplied more than 40 flight inspection and special mission systems in King Air platforms.

Aerodata's EASA 145 approved facility at Braunschweig airport also maintains Beech 1900's, Hawker 750/900XP Jets, Cessna Citation Jets, Dornier 228's and 328's as well as a variety of light aircraft.

**Dual Channel AeroPhone+ now EASA certified**

In November 2013, the dual channel variant of the new AeroPhone+ family received EASA certification according to ETSO 2C514. This approval follows the approval of the single channel unit which has been achieved already in 2012.



AeroPhone+ family

The AeroPhone+ family consists of a single and dual channel satellite transceiver unit (STUI) and a cockpit dial panel (CDP). AeroPhone+ allows voice and data communication using the Iridium communication satellite network. All STUI's include a GPS receiver enabling an autonomous aircraft tracking capability.

AeroPhone+ can be interfaced with aircraft or helicopter intercom systems. Further, a number of ARINC 429 interfaces allow the control of the STUI through standard systems on aircraft and the exchange of ACARS messages.

In 2012, Air Berlin, Germany's second largest airline, and Aerodata entered into a research program partly funded by the German Ministry of Economy and Technology. Within this research program, AeroPhone+ is used to establish a communication link between Air Berlin's operations center and aircraft, e.g. to update information on the

electronic flight bag (EFB). The first stage of the system installation on an Air Berlin 737 aircraft was completed in the 4<sup>th</sup> quarter 2013.

**Exhibitions**

Optimare will participate at IOSC in Savannah, USA from May 5 to 8, 2014.

Aerodata and Optimare will exhibit at ILA in Berlin, Germany from May 20 to 25, 2014.

Aerodata will participate in IFIS in Oklahoma City, USA from June 16 to 20, 2014.

**Singapore Air Show 2014**

Aerodata and Optimare will exhibit at Singapore Air Show, Singapore, February 11 - 16, 2014. Please visit us at our stand L92 in the exhibition hall.

**FIDAE 2014**

Aerodata and Optimare will exhibit at FIDAE in Santiago de Chile; March 25 - 30, 2014. Please visit our stand E-62 in hall E.

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