



## First ATR-72 Maritime Patrol Aircraft delivered to Pakistan Navy



ATR-72 during flight test at Braunschweig Airport

In the second quarter 2018, the first ATR-72 Maritime Patrol Aircraft has been delivered to the Pakistan Navy – after completing intensive ground and flight tests. This delivery represents a major milestone for Rheinland Air Service as the prime contractor and Aerodata as the key project partner.

Rheinland Air Service had signed the contract with the Pakistan Navy in 2015 to convert two ATR-72 aircraft already owned by the Pakistan Navy into Maritime Patrol Aircraft. Rheinland Air Service as the prime contractor performs the overall project management, acquisition of key components, all physical aircraft modification work and pilot training.

Aerodata's scope of work includes the delivery of its mission management system AeroMission®, all system integration activities, engineering tasks to convert the ATR-72 from the transport into a maritime patrol configuration, delivery of parts for the aircraft modification as well as customer training and support. Work on the project commenced in January 2016 after export approvals had been received from the Government authorities.

Core of the Maritime Patrol Aircraft is Aerodata's mission management system AeroMission®, which has been enhanced substantially for this project. AeroMission® is characterized by its scalable architecture. On board the ATR-72, the mission system is implemented on multiple work stations and two cockpit information displays.

Sensors / subsystems on the ATR-72 aircraft include a 360° AESA search radar, electronic support measures (ESM), self-defense measures, Stores Management System, an acoustic processing system and an EO/IR sensor. A comprehensive communication suite enables secure voice and data communication with ground stations and other assets of the Pakistan Navy.

All sensors and subsystems are fully integrated in AeroMission®, therefore all data are made available to the four operators and provide the required situational awareness for cabin and cockpit crew. Further – depending on the task assignment – operators can control the sensors through the AeroMission software.

In the meantime, modification work on the second aircraft has commenced; delivery to the Pakistan Navy is scheduled for the first quarter 2019.



### Contract for two MEDUSA® Mission Management Systems

OPTIMARE Systems, a 100% subsidiary of Aerodata AG, has signed a contract with RUAG to provide two MEDUSA® mission management systems. These systems will be integrated into Dornier 228 aircraft to be delivered to the Bangladesh Navy.

Each of the mission management systems is equipped with two work stations, and integrates various sensors for maritime surveillance, e.g. search radar, EO/IR sensor, AIS transponder as well as search and rescue direction finder.

Delivery of the two aircraft with installed mission systems is scheduled for the first half of 2019.

### New Flight Inspection Contracts

#### Contract for two AeroFIS® Flight Inspection Systems



Through an international tender, Aerodata has been selected as a supplier for two state of the art fully automatic flight inspection systems series AeroFIS® with a hybrid position reference system based on Phase-tracking Differential GPS, Barometric Altitude and Attitude sensors for ILS CAT I, II and III capability customized and fully compliant

to the requirements of the customer. These systems will be integrated into two aircraft type M-28 B/PT. A special kit for installation to the aircraft including antennas and equipment required for the installation will be provided with each system.

#### 3rd Flight Inspection System for FCS

After participating in an international tender Aerodata AG was again announced as a winner to deliver one new flight inspection system AeroFIS® to FCS Flight Calibration Services GmbH. The delivery includes the installation into one new Beech King Air 350 with Rockwell Collins Pro Line Fusion avionic suite.

Besides the capabilities to flight inspect conventional radio navigation systems, the new flight inspection system

will provide also the capability for inspection Ground Based Augmentation System (GBAS), GPS with WAAS/SBAS evaluation (e.g. EGNOS), GLONASS evaluation, GALILEO / EGNOS evaluation, Radio Altitude evaluation, and all Flight Procedure Inspection (Conventional and Performance Based Navigation).

This milestone marks the continuation of the successful cooperation between FCS Flight Calibration Services GmbH and Aerodata for the next decades.



King Air 350i of FCS equipped with AD-AFIS-220

#### AAD – Africa Aerospace and Defense

Aerodata and OPTIMARE will exhibit at AAD 2018 in Pretoria, South Africa, from September 19 – 23. Please visit us at our stand 6CW17a in hangar 6.

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