

AeroMISSION

Airborne Maritime Patrol, Surveillance and Search and Rescue

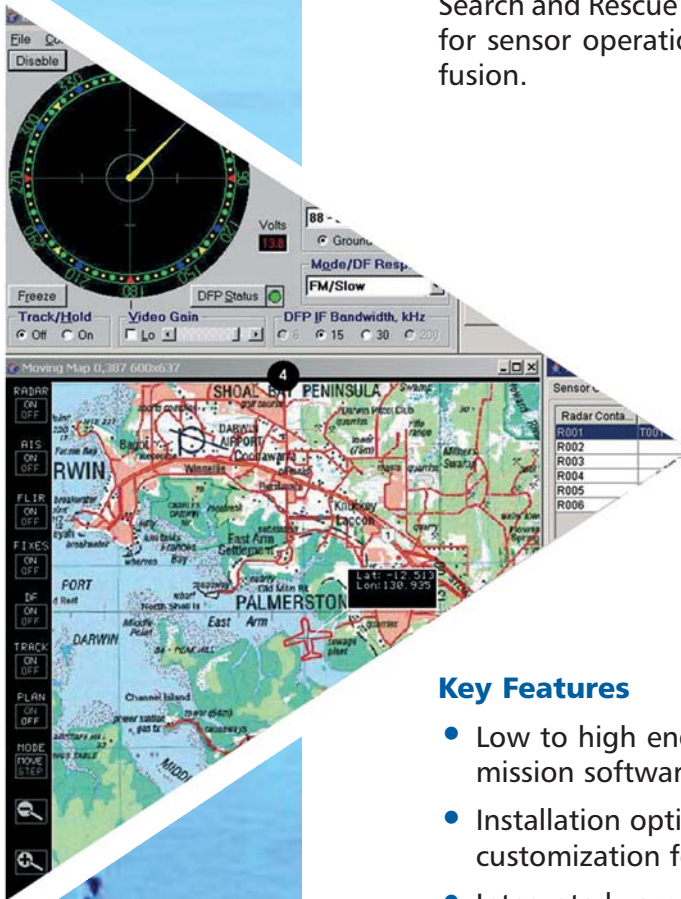
AeroMISSION, Aerodata's Maritime Patrol, Surveillance and Search and Rescue system, provides an integrated solution for sensor operation, sensor data acquisition and sensor fusion.

AeroMISSION is capable to support maritime and coastal airborne operations:

- Maritime Patrol
- Border Patrol
- Pollution Detection and Mapping
- Fishery Patrol
- Anti Smuggling Patrol
- Offshore Oil Field Monitoring
- Search and Rescue
- Research Applications

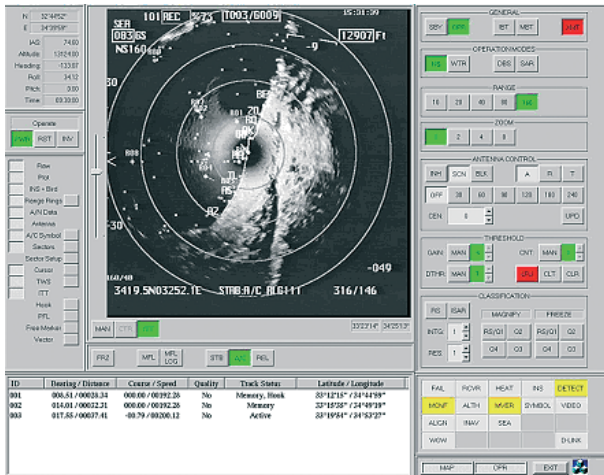
Key Features

- Low to high end solutions regarding mission, sensors, mission software and communication
- Installation options for a variety of aircraft and customization for other aircraft models
- Integrated common sensor data representation for situational awareness
- System integrated sensor control
- Mission guidance and tactical planning support
- Data communication via satellite link and HF link
- Support of networked operations (several aircraft, mission center, sea borne vessels)
- Moving map display with overlay of mission data
- Digital data storage capabilities also for audio and video
- Visualization of AIS transponder signals
- Visualization of direction finder information
- Automatic generation of standard messages and reports
- Support of drop functions



Major System Components

- Radar (nose mounted, belly mounted)
- SLAR (Side Looking Airborne Radar), MWR (Micro Wave Radiometer), IR/UV Scanner



radar image courtesy of ELTA

- FLIR (infrared) and electro-optical sensors
- Mission Management and Guidance System



- SAR Homing Device
- HF, VHF, UHF, Satellite Communication and Intercom
- Communication Relay
- Search Light
- Photo/Video Camera
- Ergonomic Operator Workstation

High End Solution – Data Fusion

- Signal determination directly established by the sensors
- Automatic generation of Multi-Sensor Tracks
- Classification
- Identification
- Situation assessment and assembling of relationships among entities
- Electronic Support Measures (ESM)
- Real time video transmission
- Encryption

Aerodata Capabilities

- System and Aircraft Modification Design
- Procurement/Production of Parts and Components
- Aircraft Modification and System Integration
- Airworthiness Certification



Aerodata AG

Hermann-Blenk-Straße 34-36
38108 Braunschweig
Germany

Tel. +49 531 23 59 - 0

Fax +49 531 23 59 - 158

E-mail: aeromission@aerodata.de

Internet: www.aerodata.de