



Special Mission Avionics Applications

Customized Avionics Applications for Special Mission Aircraft

Special missions, such as air ambulance operation, search and rescue, aerial firefighting, surveillance, aerial survey, airport flight inspection etc. put great demands on the equipment and performance of the aircraft and specially designed avionics applications are required to succeed.

Scandinavian Avionics provides customized avionics solutions to meet the demanding requirements of any special mission aircraft.

Special Mission Applications

Scandinavian Avionics provides complete turn-key avionics solutions for special mission aircraft and basically offers any type of special mission application for any type of aircraft.

Multiple TETRA helicopter radio terminal upgrades, helicopter HD FLIR camera installation and a comprehensive King Air 350 coastal special mission upgrade are just a few examples of the latest special mission application projects Scandinavian Avionics has completed.

BELL 206 L-3 WESCAM FLIR HD Camera Upgrade

With the purpose to develop a flexible Bell 206 helicopter with multiple capabilities, Scandinavian Avionics completed a comprehensive special mission upgrade enabling the operator to quickly shift between normal operation configuration and special mission operation configuration.



The project included:

- ▶ Delivery and Installation of L-3 MX-10 FLIR HD Camera in the nose of the helicopter.
- ▶ Delivery and Installation of Flight Display System 10.4" LCD screen with arm mount on the left side of the cockpit panel.
- ▶ Delivery and Installation of Honeywell Observer Flight Management & Display system in the cockpit with integrated camera control interface and a 8" display.
- ▶ Installation of specially developed Special Mission operators cabinet in the cabin, including 2 10.4" LCD screens with arm mounts and HD Flash Disc Recorder.
- ▶ Delivery and Installation of removable camera remote control that can be controlled from either the co-pilot seat or the cabin as required.
- ▶ Full EASA certification package covering all aspects of the installation.

King Air 350 Maritime Special Mission Upgrade

In order to qualify this King Air 350 to operate on various coastal special missions, like border patrol, search and rescue, fishery inspection and pollution control, the aircraft has been upgraded with a range of specialized equipment:

- ▶ Side Looking Airborne Radar (SLAR) to detect oil spill
- ▶ FLIR camera to perform surveillance tasks
- ▶ AVIATOR 300 SATCOM system to provide data and voice connectivity in the sky
- ▶ SeaHunter 8000 Maritime Patrol and Surveillance System Console in the cabin to collect, process, display and forward information from the sensors of the aircraft
- ▶ Drop tube to drop beacons and other sensors into the water



In close cooperation with Norwegian Special Mission, Scandinavian Avionics provided all necessary equipment, certification and installation services for this project.

TETRA Helicopter Communication Terminal Upgrades

Enabling the Norwegian medevac helicopters to communicate safely and encrypted with the emergency force on ground, Scandinavian Avionics has provided TETRA radio terminal upgrades for 7 different helicopter types, including AW139, MK 43B, EC135T2+, EC135P2+, BK117C-2, Bell 214 and AS350 of the Norwegian medevac force.

Scandinavian Avionics supplied all TETRA radio terminals and associated equipment, provided installation and integration of the equipment as well as EASA certification, testing and technical support of the system.



Customized Special Mission Solutions

Special Missions require aircraft with special capabilities and at Scandinavian Avionics we specialize in developing customized avionics special mission applications to make your aircraft capable of operating on even the most demanding missions.

Based on more than 35 years of experience with avionics solutions, we offer complete turn-key solutions, including:

▶ Logistics and Parts Support

We offer all equipment required for the specific special mission application.

▶ Design and Engineering

We provide design and engineering services to develop customized special mission application solutions for the specific aircraft type.

▶ Certification

Through our Part 21J Design Department, we handle all required EASA certification for the specific special mission application.

▶ Installation

We offer installation services for the specific project in our hangar at Billund Airport in Denmark or at another EASA Part 145 approved facility around the world.

▶ Training

We offer familiarization courses for the specific special mission application.

Please feel free to contact us to discuss your specific aircraft's special mission requirements.

We are Aircraft Systems Integration company with Design & Engineering as its core strength which is backed by Civil & Military approvals like Design -21, Sub Part J & CEMILAC including multiple years of successful track record of bringing Technology at the door step of customers & ensuring a sustainable business & industry at large.

We are team of technical craftsman with several decades of expertise in building new design & having it certified by respective regulator as STC for further implementation on aircraft.

With the stated expertise in the niche field we take pride in delivering a Safe & Complaint Solutions in India & subcontinent since several years consistently & winning the trust of customers.

CAR-145 | CAR/PART -21 | CEMILAC | ISO | WPC |

