

AKKA

Aerospace

CABIN MODIFICATION AND UPGRADE

SOLUTION

Thanks to its agreements, AKKA manages end-to-end cabin modification (Reconfiguration, Upgrade, IFE, IFC, Structural), from design up to certification, and delivers Supplemental Type Certificate (STC) approval for EASA, GCAA, TCCA, FAA, and other Authorities on demand.

WHAT WE OFFER

- **Cabin Turnkey Solution:** Reconfiguration Layout (LOPA, EEL...), Cabin Upgrades, Optimization (Density, Dual, Premium), Full turnkey including: (Engineering Order, Certification & Approval, Installation kit, Equipment).
- **IFC Connectivity:** Antenna installation, Internet (wifi), GSM onboard connectivity integration, Testing Transmitting Portable Electrical Devices.
- **IFE Inflight Entertainment:** wifi, wired, seat centres, etc

DELIVERABLES



SERVICES

OUR ADDED VALUE

Dedicated Aeronautic center of competences

Coverage of all types of aircraft and helicopters, from small turboprops up to wide-bodies

More than 1000 EASA and / or FAA approved modifications and STCs (including more than 300 "off the shelf" STCs ready to be applied)

Capability to handle worldwide projects with any safety National Authority (experienced with EASA, FAA, GCAA, CAA, ANAC, CAASL ...)

A dedicated project manager for reactivity and direct contact

Dedicated purchasing department with a network of referenced brokers & OEMs

Independent operator ensuring objective support to enhance quality / costs / lead time ratios

AIRWORTHINESS REGULATION AND CERTIFICATION

AEROCONSEIL APPROVALS: EASA Part 21, Subparts J (Design Organisation Approval) ■ EASA Part 21, Subparts G (Production Organisation Approval) ■ EASA Part M, Subparts G & I ■ FAA Approval ■ GCAA Design Organisation ■ TCCA DAO ■ CAACI Continuous Airworthiness Management (Cayman Islands) ■ OTAR Part 39 (Bermuda) ■ EASA Part 145 ■ EN 9100 ■ ISO 14001



Automotive



Aerospace



Railway



Energy



Life Sciences



Telecoms



Space



Services and Informations Systems



Defence



Oil and Gas



Consulting



SUCCESS STORY

Since 2008 AKKA - Aeroconseil has been granted different STC for connectivity on board on Boeing B777-200, B777-300, B747, B767, Airbus A330, A320,... and in 2015 AKKA team achieved a successful first installation of Ku Band antenna installation in Airbus single aisle. AKKA performed several programs of full cabin retrofit in the recent years:

- **Emirates Airline:** GSM and Full connectivity A330 - A340
- **GECAS:** Full cabin retrofit with IFE and IFC on A330
- **Global Eagle Entertainment:** Ku Band Antenna STC A320
- **ATR:** Pax to Freighter STC conversions (incl Vertical or floor-to-floor net configuration)
- **CEA:** Installation & Certification HELINUC system for radiological cartography on EC135
- LPV on ATR 42/72
- ADSB-OUT EC225

Pioneering in the installation of GSM and Wifi on aircraft, obtaining dual EASA and FAA certification, AKKA - Aeroconseil reinforces its position as a world leader in the segment of avionics and cabin modification.

OUR EXPERTISE

MAIN CABIN EQUIPMENTS:

Galleys, lavatories, saloons, ceilings, seat racks, Upper attachments, Bulkheads, Floor attachments, Linings, Lightings, Air conditioning, Oxygen, Water / Wastes, Emergency layout, Wire routing, Electricity, Flammability, etc.

COMPLETE CABIN DEVELOPMENT CYCLE:

Initial Concept, Feasibility Assessment, Architecture, Design, Stress Analysis, Weight balance, Supplier Selection & management, Job cards, Installation, Validation, Qualification, Certification.

RELATED EXPERTISE FOR CUSTOMER SERVICES OF MANUFACTURERS AND OPERATORS:

Service Bulletin production, answers to airlines queries, online catalogue development, etc.

Operational documentation (CMM, AMMS ,IPCS, WDMS, etc.)

MAIN PROJECT PHASES

DESIGN DEFINITION
CERTIFICATION PLAN
DESIGN MODIFICATION
KIT PROVISIONING
INSTALLATION KIT
GROUND/FLIGHT TEST ON A/C
MANUAL SUPPLEMENTS
FINAL APPROVAL (CERTIFICATION/STC)

TESTIMONY

NAJI O. CABIN MODIFICATION LEADER

"Based on 15 year experience on IFE and Cabin modification, we can manage a large panel of modification starting from single aisle aircraft (simple layout modification going to hard point installation for galleys and lavatories installation) to long range aircraft (layout modification, galley relocation, new IFE system installation). Our expertise covers also the follow up of vendors (new seats or monuments development, new IFE system development and associated qualification follow up)."