

AKKA

Aerospace

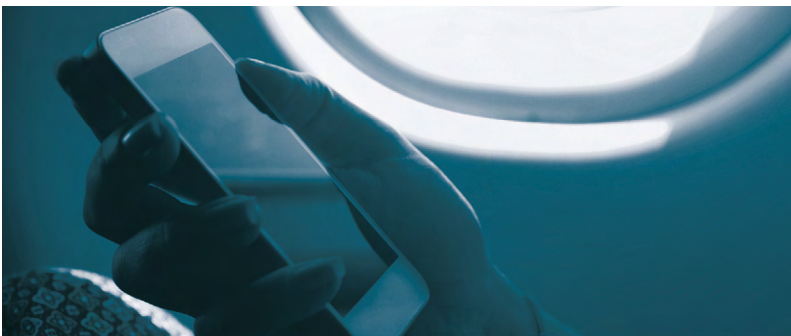
CONNECTIVITY ONBOARD

SOLUTION

AKKA offers its comprehensive connectivity solution for your aircraft.

WHAT WE OFFER

- Modification Approval (through EASA-FAA STC)
- Safety Analysis
- Aircraft Operational Documentation
- High Reliability System
- Electrical & Interphases Kit
- Service Bulletin



OUR ADDED VALUE

Through AKKA dedicated center of competences, we offer the following added-value services to our complete installation solution:

Installation compliance thanks to Aeroconseil EASA & FAA approval

Quality level consistent with VIP customer expectations

Connectivity Onboard certified on: B777, A320, A330, A340

Engineering Turnkey solution including engineering certification, installation kit and equipment

Allow passengers to connect with their PED and get live updates throughout the flight

The opportunities for onboard ancillary revenue generation

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

ENGINEERING PACKAGE

- Service Bulletin necessary to perform the work on the aircraft
- Associated job cards Parts list, Drawings, Wires list
- Weight and Balance Electrical load analysis

CERTIFICATION PACKAGE

- Supplemental Type Certificate approval by EASA, GCAA, FAA, and other Authorities approval on demand
- Instructions for Continued Airworthiness
- Aircraft Configuration Index Document
- Aircraft Flight Manual Supplement
- Ground Test Procedure
- Testing Transmitting Portable Electrical Devices
- Electromagnetic Interference
- Assessment of safety impacts Aircraft operational documentation updates: WDM, AMM, IPC, FCOM: Flight, CCOM, MMEL...

GSM CONNEX MAINS FEATURES

- The entire airborne hardware is contained in two Line Replaceable Units (LRUs), consisting of:
 - BTS+, an integrated GSM Base Transceiver Station with controller, Ethernet switch and aircraft interface unit
 - NCU, a radio Network Control Unit
Optionally, Internet access through WLAN is supported

INSTALLATION

Installation kits:

- Design, production and supply
- All mechanical components (nuts, bolts, brackets..) and mechanical interface parts for BTS, CRFMU, ACU
- All wiring harnesses with required connectors and miscellaneous connecting / junction hardware
- Leaky feeders and non-leaky cable
- Circuit breakers & Miscellaneous clamping hardware Racks & Placards...

Aircraft Installation:

- Working party: on-site, with your MRO partner or with another completion center

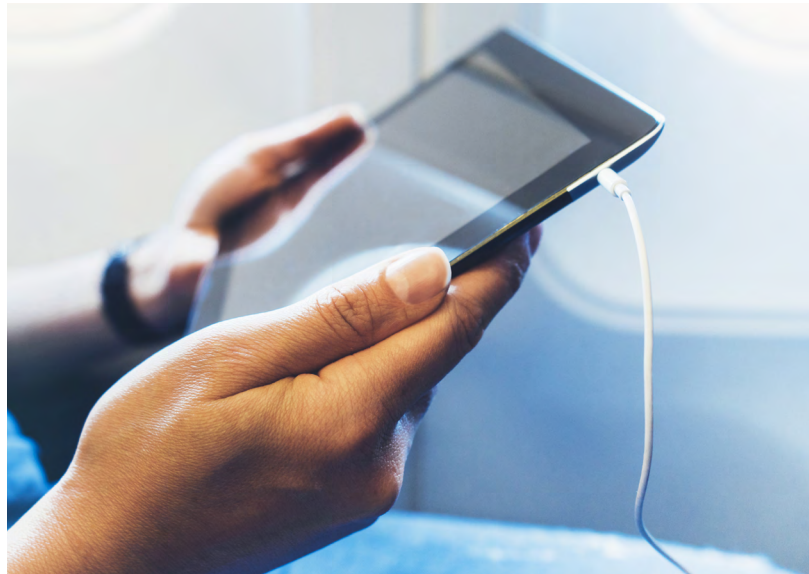


OUR EXPERTISE

AKKA had realized in 2010 the first installation of a GSM connectivity on a VIP A330 for Lufthansa Technik. This "first" for AKKA, who had already participated in the installation of the first mobile phone systems onboard for commercial flights Emirates (on A330/A340/B777) confirms his Masters in engineering, design and certification. Thanks to close collaboration with Lufthansa Technik and AeroMobile this facility could proceed in the time and with the required level of excellence.

Innovative design: World First Design Office for EASASTC approvals of connectivity system (2008).

FAASTC obtained in 2012 for the mobile phone system installation and activation.



TESTIMONY

DAVID V. HEAD OF AIRCRAFT MODIFICATIONS

"The market for corporate and VIP aircraft is growing, as are the demands made of material management for VIP cabin. In this very specific market requirements in terms of project management, implementation deadlines, quality and innovation in design are decisive. Thanks to the cooperation we have been able to implement, we could meet this technological challenge in less than 10 months and with a level of quality that meet the expectations of VIP customers."