

Cabin Interior Capabilities

India | USA | Italy | Japan | UK | Germany | France | Spain



The aerospace industry is interestingly poised in terms of nature of business, industry policies and also with challenges like supply chain management, fluctuating fuel costs and a recent decline in demand. Aerospace companies are increasingly realizing the need to build a growth oriented business by leveraging on innovative solutions from their global partner ecosystem while delivering both improved performance and reduced cost structures. This need has resulted in many aerospace companies to evaluate their engineering and manufacturing partner base.

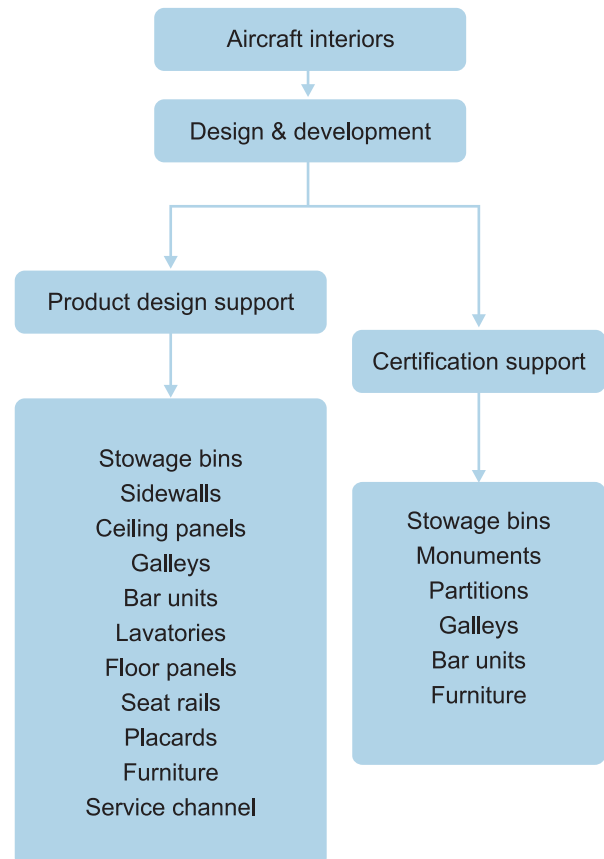
QuEST Global has proven its expertise in these areas and exceeded expectations. In a nutshell, it helps customers improve quality of supply, reduce time-to-market, grow capacity, increase revenue generation, reduce cost of product development and enhance sustenance engineering. Furthermore, its ability to combine engineering services with manufacturing enables customers to meet the growing offset requirements in aerospace contracts and risk sharing partnerships.

QuEST Global specializes in various aspects of cabin interior design and manufacturing. Our cabin interior support capabilities include various design activities of the interior components and assemblies including the generation of certification documentation (Interface load reports)

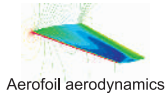
Certifications

- AS 9100
- EADS E2S Preferred Supplier for Engineering Services
- Airbus Supplier Certification
- ISO 27001
- ISO 9001:2000

Technical capabilities



Key product services



Flight dynamics analysis
Flight physics
Development of materials & processes

Design and installation of mechanical, electrical and avionic systems



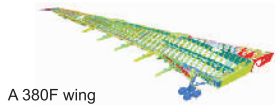
Landing gear

Research & Technology

Systems & Accessories

Structures

Testing & Integration



A 380F wing

Structural design and analysis of components and assemblies
Primary and secondary structures



Automated test bench

Flight test instrumentation
Safety assessments support
Independent verification and validation testing
Design and build of automated testing equipment

Cabin Interiors

Case brief - Interiors and completion center support for leading aircraft tier-1

Customer

A leading supplier of passenger aircraft interiors and components worldwide

Objectives

- Design modifications for various interior components
- Stress analysis
- Interface load report
- Update the assembly structure
- Produce detailed manufacturing drawings

Products

Sample components are bulkhead, panel assembly, ceiling installation, bull nose assembly, lighting systems, etc. The material used for these products are honey comb core

- Inputs received
 - Existing CAD models
 - Existing assemblies

- Design reports
- Reference drawings
- Standards

■ Technical scope

- Updating or modifying the existing design based on the requirements and specifications
- Interface load report and stress analysis
- Created the detailed drawings with customer

■ Specifications

- Update assembly model
- Updating installation drawings
- Quality check
- Delivery

■ Tools

- Catia V4 and Catia V5
- Solidworks
- Nastran/Patran
- FEMAP

Customer-Speak

QuEST Global has an excellent understanding of our needs. The attention to detail and quality would place QuEST in a high ranking position.

About QuEST Global

QuEST Global is a leading provider of outsourced engineering services and manufacturing. The company helps customers in the Aerospace, Consumer Electronics, Healthcare, Industrial Products, Marine, Nuclear, Oil & Gas, Power Generation and Transportation verticals, to cut product development costs, shorten lead times, extend capacity, and maximize engineering resources. We do this by providing support across the complete product life cycle from design and modeling through analysis, prototyping, automation, data documentation, instrumentation and controls, embedded systems development, manufacturing support, vendor management, and in-house precision machining.



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