



Aerospace

Engineering services for the aircraft industrial cycle

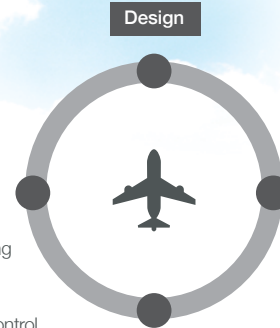
AERTEC Solutions is currently a Tier 1 supplier for Airbus for manufacturing engineering services and programme management in the world's largest aerospace programmes, such as the Beluga, the A380, the A350XWB, the A400M, A320 or A330MRTT, among others.

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SOLUTIONS

Aerospace & Aviation



- Electrical design
- Cabin interior design
- Reverse engineering
- Stress analysis

- Manufacturing engineering
- Planning and production control and coverage
- Jigs & tools
- Test systems engineering

- Manufacturing engineering
- Planning and production control and coverage
- Jigs & tools

- Facility design
- Industrial process design

- Quality services
- Test systems engineering

General services

- Project and programme management
- Software applications
- R&D projects
- Technology services

Part of the following aerospace programmes

AIRBUS DS	AIRBUS	EMBRAER	BOMBARDIER	LEONARDO
 A400M	 Beluga	 KC390	 Global 7000/8000	 AW101
 A330MRTT	 A380	 E175-E2		
 CN235/C295	 A350XWB			
 EUROFIGHTER	 A330neo			
 nEUROn	 A321neo			
 ATLANTE	 A320neo			
	 A320			

Preferred strategic supplier for Airbus



Manufacturing engineering services (ME3S)



Project and programme management services (PMO)

Let's talk aeronautics



Design



Electrical design

- Functional definition. Principle and wire diagram
- System layout integration
- Safety analysis
- Installation 3D Routing (ESI & FTI)
- Secondary structure stress calculation
- Harness design for manufacturing (full 3D/drawings)



Cabin interior design

- Lining and panel design
- Design optimization (ergonomic/aesthetic design)
- Weight management



Reverse engineering Stress analysis

Facility & Process Design



Facility design

- Facility design
- Project management
- Construction works supervision



Industrial process design

- Facility layout design
- Logistics process definition
- Continuous Improvement
- Digital production simulation
- Digital processes simulation

Manufacturing



Manufacturing engineering

- Processes industrialisation
- Configuration management
- Assembly, installations and production support
- Standardization and optimization of processes
- Data management



Planning and production control and coverage

- Master plan
- Operative plans
- Process standardization
- Performance of production activities
- Guarantee the supply chain of materials
- Control of the work order life cycle



Jigs & tools

- Tooling design, concept and layout
- 3D printing prototyping
- Tooling quality
- Automated systems
- On site Installation, commissioning and set up
- Project management
- Verification and validation
- Ergonomics and work process optimization
- Tooling end to end solution



Quality services

- Management of final inspections on the flight line
- Management of client inspections
- Registering, management and closure of faults in client information systems
- Prioritization of repeated faults
- Root cause analysis
- Initiation of corrective measures
- Customer acceptance delivery management support



Test systems engineering

- Bespoke test systems engineering
- Functional testing specification and integration tests
- Software for functional test management for production, maintenance and integration
- ICOTS equipment hardware integration
- Test means and autonomous systems end-to-end solutions
- Project management

MRO



Manufacturing engineering

Planning and production control and coverage



Jigs & tools

Test systems engineering

General services



Project and programme management

- Project set up
- Schedule, cost, resource and risk management
- Coordination of shared risk partners
- Monitoring and controlling of activities
- Project closure



Software applications

- Digitalization visual management tool
- Operative and master plan
- Material and tool management
- Management of pending actions and tasks
- Mass data management in a web environment
- Management of quality incidents with tablets



R&D projects

- Advanced aircraft concepts
- Optimization of electrical system
- Aircraft factory of the future
- Modular automation
- Automated part handling and positioning



Technology services

- i-Workbench
- Remote support
- Digitalization management tool (DMT)

