



AERTEC

➔ **Jigs & Tools**
Tool design and
manufacturing management

Let's talk **aeronautics**



→ Jigs & Tools

Tool design and manufacturing management

Our tooling capabilities include the most significant aerospace services, such as: tool design for applications, tool quality services (certifications, audits, QIP, IVU, etc.), automated system design (PLC, SACAD and industrial sensors), commissioning and configuration, project management, R&D project consultancy, additive manufacturing solutions and remote improvement technologies like augmented reality.

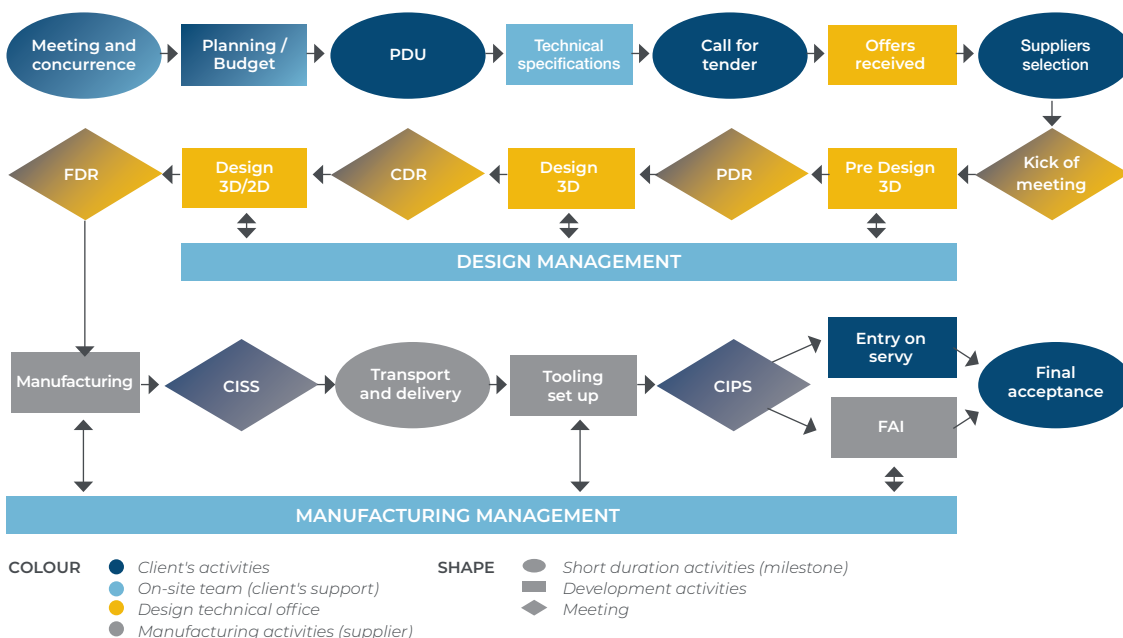
Our highly-experienced multifunctional team has created and developed a consolidated position in tooling projects based mainly on Airbus platforms.



JIGS & TOOLS > SERVICES

- ▶ Tooling design
- ▶ Tooling quality
- ▶ Automated systems
- ▶ Commissioning and configuration
- ▶ Project management
- ▶ R&D projects
- ▶ Reverse engineering
- ▶ Remote support

We are present throughout technical tooling development projects:





We have collaborated with clients in Spain, Germany, Portugal and the United Kingdom in the design of tools and automated systems

Tailored technical development

Ready to work on aeronautical programmes

Our 4.0+ design engineers are trained and certified in the following key areas:

- Tool design according to the main aerospace companies' guidelines, such as: Airbus, Embraer, etc.
- CATIA V4 and V5 Including surfaces design, stress analysis, etc.
- Composite materials design
- Additive manufacturing engineering and optimisation

Ongoing training is given on a regular basis according to the client's specific requirements. We are therefore always ready for any kind of project.



Preferred strategic supplier for Airbus



Manufacturing engineering services (ME3S)



Let's talk aeronautics

Our projects speak for us

Light & Medium (CN235/C295) Support on each tooling phase

- FAL (San Pablo/Seville) and IF/Pre FAL (Tablada/Seville)
- Global Supply Chain (From Tablada/Seville, Spain): Nose, Wings, Ramp & Rear Cone > PZL (Poland), Center Fuselage > OGMA (Portugal), Rear Fuselage & Empennage > PTDI & Alestis (Indonesia and Spain), Doors > PTDI (Indonesia) and Remaining WPs > Several Tiers 1 (Spain)

A400M On site support

- FAL (San Pablo/Seville, Spain), Center & Rear Fuselage (Bremen, Germany) and Wing-box Assembly: Tooling Design - Nearshoring (Filton, UK)

A320/321neo

- Stages 00 (SMC & LVER), 01, 02, 03: Data gathering and supplier management (Broughton, UK)

A330 MRTT On site support (hangar)

- T22 & T23 hangar (ADS Facilities – Getafe, Spain) and Iberia Facilities (Barajas – Madrid, Spain)

A330 neo Stringer's Manufacture, Wing-box Assembly

- Stages 00 (PAC) Support, 01, 03: Data gathering and supplier management (Broughton, UK)

A350 XWB HTP, S19 On site Support

- All-in-One, AIO (Puerto Real/Cadiz, Getafe/Madrid and Illescas/Toledo, Spain)

A350 900 & 1000 Stringer's Manufacture, Wing-box Assembly

- Metrology - 1000 Tooling for Laser Tracker, Continuous Build Support, Tech Plateau, Data Gathering, Supplier Management and Tooling Design-Nearshoring (Broughton, UK)

A380 ID Realization of MC3 / PPM Support for Tender

- Technical Specification Author and Conceptual Design (Broughton, UK)

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