



inter tec

Design • Certificate • Engineer • Solve  
**EASA Part 21J Approved Design Organisation**

# Practical solutions to your complex problems...

Inter-Tec offers over 24 years of experience of providing value driven engineering solutions to our customers.

During this time, the company has expanded from a one man consultancy to a supplier of fully packaged EASA Part21J Design Organisation approved, manufactured and installed solutions to our customers across the 6 continents.

Our engineering service is delivered to you, on your terms, to meet your regulatory, operational and commercial needs.

Whether it be for your passenger cabin interior refurbishment, airframe structural repair or modification, upgrade of your avionics system or providing you the solution and installation kit needed to fully configure your SAR or HEMS helicopter, Inter-Tec manages your risk, providing the equipment you need, to operate safely and effectively.

At Inter-Tec, we value our quality of service and trusting relationships with our customers, suppliers, and partners, where our priority is making the customer's vision a reality. Holding long standing relationships with several major airline operators, aircraft owners and MRO's, Inter-Tec commits to "get things done", on time, on budget, to specification.

Inter-Tec promises value, through our definitive understanding of cross market expectation of cost, regulation and through our team of experts in the fields of multi-platform certification, design for manufacture, structural analysis for material optimisation and our transparent project management process.

As an EASA Part 21J Design Organisation we are the holder of several STC's, over 1000 Minor changes and repairs, and hold ETSOA approval for the PF3000 series aircraft seat, a lightweight economy seat, ergonomically designed not only in meeting regulator and operator requirement but for passenger comfort.

## Our global customer base spans 6 continents and includes:

### Structural Repair Solutions

Triumph Aviation South Asia (Thailand)

Vallair (France)

Spirit Aerosystems Belfast

Chevron Technical Services

### Helicopter Modifications & Upgrades

CHC & Heli-One

Babcock Mission Critical Systems Offshore

Sloane Helicopters

Bristow Helicopters Ltd

Brunei Shell Petroleum

### Aircraft Modifications & Upgrades

Causeway

Loganair

Excel Aerospace (Singapore)

FL Technics

Heico

## Customers are saying...

In a recently commissioned independent survey our customers commented that:

"Projects are on-time and on-budget"

"They help us to overcome issues and find solutions"

"Their speed of reponse is fantastic"

"They had all the knowledge we needed"

"Their proposal was the best"

# Value driven engineering services in the provision of....

## Off the Shelf Solutions

- You are one step from accessing our off-the-shelf approved mod catalogue in meeting your commercial, SAR or HEMS requirement.
- Our mod catalogue contains over 1000 ready-made DOA solutions including all elements of:
  - Passenger and freighter cabin interior furnishing and seating reconfigurations.
  - Structural and equipment provisioning of your HEMS or SAR helicopters.
  - Upgrading your cockpit avionics and flight crew equipment.
  - Interior and exterior re-branding.

## Through Life Service

- Inter-Tec takes responsibility for the whole life costing of the solution, considering process standardisation, material availability and usage as well as through life performance of our products functionality and maintainability.
- Where return of lease or sale is a key commercial consideration, we guarantee your solution can and will be designed with minimum structural modification, approved for both easy installation and removal.

## Meeting Market Demand

- In the current global climate, Inter-Tec understand that the needs of our customers are changing, where the need for flexibility in cost and material utilisation as well as a sensible and realistic approach to engineering challenges are the key drivers in maintain your competitive position in the market.
- Inter-Tec offers an established and credible alternative to the OEM, with a price point aligned to your commercial management strategy.
- Bespoke solutions that will address your safety concerns providing protection to crew, passengers, and structure, minimising aircraft downtime.

## Repairs

- Inter-Tec offers a key service offering in the provision of repair solutions designed to:
  - Extend the limits of SRM repairs, reducing the commercial impact and risk of replacement costs.
  - Standardise product repair materials and processes, reducing the spread of capital investment in tooling, material waste and enabling repeatability and performance improvement.
  - Introduce innovative repair solutions based on detailed wear and damage profiling ensuring maximum life of repaired components.

## Fit2Fly

Fit2Fly is our latest innovation and seamless solution to support manufacturers to efficiently complete certified modifications. Our “start-to-finish” approach will allow you to get modifications designed, certified and installed so that your aircraft is back in the air quickly.

We make it problem-free for you:

- We design and certificate your upgrade or modification.
- We can source components for you through our network of approved manufacturing suppliers.
- We can manage the assembly of installation kits and deliver them to you.
- We can provide technicians to carry out the work or to support and guide your maintenance engineers on installation.

## The Result

Your modification is  
successfully installed, your  
aircraft is Fit2Fly

## Why Inter-Tec...

- Our capability, knowledge and experience has grown in parallel with our understanding of the methods needed to resolve your problems, saving you time, money and resource through this process.
- Our service offering and catalogue of solutions has evolved in response to overcoming our customer's variety of challenges, driving continual benefit and value from the ideas which have become a certified reality.
- The longevity of our relationships is built on the trust our customers have in us delivering solutions time after time.
- Our management system is designed and conveniently tailored to react to our customer deliverables.

## Our Team...

The team at Inter-Tec consists of a highly experienced management and engineering team, passionate in the field of aerospace, structured in our clear understanding of internal and external demands of our roles and responsibilities, and motivated by solving complex problems and designing functional engineering solutions.

The technical capability and knowledge our team possess ranges from through life design methodology, from concept to installation, classical and FEA stress analysis of linear, non-linear and fatigue critical systems to the application of material and manufacturing principles throughout the evolution of the design process. Expertise throughout the team ensures reliable implementation of Inter-Tec's certification scope of approval, supply chain management and project management. The team is fully committed to the company's customer focused project management methodology of communication and ownership of priorities.

## Inter-Tec in the Cabin...

The team at Inter-Tec is proud to be working with Causeway Aero, primarily on the Pitch 3000 range of aircraft seating systems, and to be providing the EASA approvals for the seats through our ETSO Authorisations held within Inter-Tec. As we emerge from the pandemic, flying returns towards normal levels, and with airlines demanding first-rate durable, comfortable, attractive seating options at competitive cost, we are together ideally placed to provide extensive customer value, both at the point of sale and for through-life maintenance. Collaboratively we are working on interiors equipment projects throughout the cabin to provide design, certification and build as a one-stop offering.

# Our Key Projects...

## Equipment:

- Rotorcraft SAR and HEMS role structural provisioning and equipment installations
- Integration of cockpit and cabin avionics, communication and monitoring and electrical system upgrades inclusive of externally mounted equipment
- Aerial surveillance equipment installations
- Cabin crew, flight crew and emergency equipment
- Wide range of cockpit and cabin stowage solutions

## Interior Reconfigurations and Role Changes:

- Aeroplane passenger to cargo or air ambulance role changes
- Aeroplane full interior cabin reconfigurations including main cabin,
- EASA Supplemental Type Certificates (STC) for rotorcraft seating cabin reconfigurations
- UKCAA Supplemental Type Certificates (STC) for aeroplane and rotorcraft medevac interior reconfigurations
- Aeroplane and rotorcraft VIP cabin reconfigurations
- Lavatory and galley upgrades

## Repairs:

- Engine nacelle intake, fan cowl, thrust reverser and exhaust repairs
- APU supporting structure repairs
- Non structural cabin interior equipment repairs

## Protection:

- Rotorcraft cabin flooring corrosion protection
- Rotorcraft cockpit to cabin infectious patient separation barriers
- Aircraft cargo bay protective liners
- External landing gear and wheel corrosion protection

## Structural:

- Eurofighter Typhoon – Supersonic Fuel Tank
- Airbus A400M and A380 Wing Fixed Trailing Edge structure
- External fuselage equipment penetrations
- Interior cabin structural modifications



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