

## **MAINTENANCE SUPPORT AND COMPONENT REPAIR SERVICES PRODUCT / SERVICE CATALOGUE**

Our aircraft maintenance clients can rely on a range of auxiliary, **EASA 145 certified workshops** offering an extensive range of round the clock support, ensuring minimal TAT's for any aircraft undergoing maintenance at our facilities.

We also provide stand-alone support and turnkey solutions for clients at regional maintenance bases, backed by our comprehensive Component Repair capabilities and experienced Logistics team.

### **Metallic Structures Repair Workshop**

- Repair / modification on aircraft structure and components
- Repair / modification on engine structure and components
- Fabrication of sheet metal components and attached fitting of aircraft structure
- Manufacture, fabrication and pressure testing of rigid pipes
- Pressure testing of flexible hoses
- Fabrication of control cables and proof testing
- Heat treatment of metal
- Peening
- Cold expansion of holes by split sleeve expansion
- Retention of bearing and bushes
- Repair and overhaul of galley equipment
- Fabrication and assembly of cargo containers
- Welding
  - a. Resistance welding (spot welding)
  - b. TIG welding
  - c. Brazing of metal

### **Composite Structural Repair Workshop**

- Repairs on primary aircraft structure, flight control surfaces, nacelle systems, monolithic structure, etc
- Glass fiber repair - RT cured or heat cured and hot bonding
- Carbon fiber repairs - RT cured or heat cured and hot bonding
- Metal to metal
- Non metal to non metal
- Metal to non metal
- Acoustic wire mesh replacement and core repair on aircraft nacelle system
- Fabrication of aircraft cargo wall panels and floor boards
- Fabrication of composite parts using fiber glass or Perspex for cabin interior

### **Engine Workshop**

On IAE V2500 -A1 and -A5 engines

- Powerplant QEC buildup (level 1)
- Wire harness repair (level 2)
- Wire harness fabrication (level 2)
- Boroscope inspection (level 2)
- Mount bolt inspection and torque test (level 2)
- Thermocouple testing and repair
- Fire sensor testing, repair and overhaul
- Filter cleaning and bubble check
- HPC 3-8 Drum NDT Inspections

On CFM 56-5C2 engines

- Powerplant QEC buildup (level 1)
- On wing clapper (level 1)
- Wire harness repair (level 2)
- Wire harness fabrication (level 2)
- Boroscope inspection (level 2)
- Mount bolt inspection and torque test (level 2)
- Fire sensor testing, repair and overhaul
- Filter cleaning and bubble check

On Rolls Royce Trent 700 engines

- Powerplant QEC buildup (level 1)
- Boroscope inspection (level 2)

On Honeywell GTCP36-300A, GTCP331-350C, 131-9A Auxiliary Power Units:

- Buildup (level 1)
- Wire harness repair (level 2)
- Wire harness fabrication (level 2)
- Boroscope inspection (level 1)

### **Non Destructive Testing (NDT)**

NDT services in accordance with EN4179 and EN473 and conducted by PCN level 02 certified personnel for:

- Radiography
- Eddy current
- Ultra sonic
- Particle Penetration
- Magnetic

### **Wheels & Brakes Overhaul Workshop**

Complete overhaul and rebuilding on A320/A330/A340 nose and main gear assembly and brake units, including strip, repaint, and NDT

### **Cabin, Seat Bay and Fabric Workshop**

- A320, A330, A340 captain and first officer seat
- A320, A330, A340 3rd and 4th occupant seat
- Cabin attendant seats
- Passenger seats
- Baby bassinets
- Window panels
- Ceiling and side wall panel fabrication using LAMP BANK machine
- Ceiling, side wall and monument trimming
- Cutting, sewing and laying of cabin carpet including non - textile flooring and MILA flooring
- Seat upholstery using fabric and / or leather

### **Safety Equipment Workshop**

- Slide raft assembly
- Slide raft assembly off wing
- Life preservers
- Survival cot
- Fire extinguisher - cabin
- Fire extinguisher - lavatory
- Lap belt assembly
- Extension assembly

### **Accessory Workshop**

- ECS system check valves
- Avionics compartment demister filter
- Lavatory components
- Cargo bay components including: power drive units, rollers, SIL latches, Y guides, and single / double latches

### **Avionics and Electrical Workshops**

- System computers and electronic control units
- Flight data recorder readout and analysis using GRAF software
- ACMS software development and data loading
- Galley equipment ovens, wine chillers, fridges, cappuccino and coffee makers, trash compactors and lights, etc.
- Passenger entertainment components and IFE equipment
- Radio communication and navigation system components
- Alkaline batteries and passenger oxygen bottle charging
- Navigation lights, passenger lights and emergency lights
- Toilet assemblies and drain masts
- Wire harnesses and wire looms

- Off ship oxygen charging

### **Aircraft and Component Painting**

Our highly skilled team of painters offers the following:

- Chemical paint stripping of metallic structure by brush application
- Chemical paint stripping of metallic structure by bath method
- Paint removal by abrasion
- Repair of damaged top coat
- Paint buildup of aluminum alloy structure and component
- Paint buildup of composite structures that require anti-erosion paint
- Paint buildup of steel alloy structure
- Paint buildup of heat-resistant enamel
- Application of chemical conversion coating

We even have paint booth facilities for aircraft exterior painting and component painting. A fully fledged component cleaning bay is available and is used for cleaning of components, panels, wheel halves, etc. prior to NDT or painting. A complete screen printing facility is available for printing of aircraft placards.

### **Tool Calibration**

Calibration services for tools and equipment on:

- Force
- Torque
- Weight
- Temperature
- Pressure
- Electrical
- Precision

### **For further information:**

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