## TRANSPORT TECHNICAL ENGINEERING





# PRECISION CRAFT

# SHARING A **COMMON VISION** WITH OUR CUSTOMERS





# We are Integral

Welcome to Teg Transport. We are innovative, precise and flexible, always responding to the ever changing project landscape.

We manufacture metallic and non metallic machined parts for the aviation sector to approved design specifications and leading industry standards.

We provide aeronautical engineering services and manufacture aircraft parts for many leading companies in the sector, including B/E Aerospace, Bombardier, Raytheon and Rolls Royce.

TEG is an approved EASA Part 21(G) production organisation and AS 9100 Rev B for machined aircraft parts.

## CERTIFICATION

TEG is an approved EASA Part 21 (G) Production Organisation and AS 9100 Rev B for machined aircraft parts;

- EASA Part 21 approval number IE.21G.0001
- Scope of approval: metallic and non-metallic machined parts for aircraft



# PRECISION **YOU CAN TRUST**

Delivering your products on time, competitively.

PRODUCTS

- Metallic and non-metallic machined parts, produced using the very latest and up to date technology
- Structural and commodity components
- Raw billet to fully finished assemblies

#### SERVICES

#### TEG manufactures both large and small batch sizes and can also assist in;

- Legacy parts for aircraft
- Commodity parts
- Service kits for modification to aircraft
- Aircraft on the ground situations
- and assignments

- Metallic and non-metallic components (Part 21(G) approved Structural components
- for aircraft
- Machines auto
- Fabrications
- EDM
- - 3,4 & 5 Axis milling Rig design
  - Rigid pipes
  - Shafts
- Tool design

- General machining

- On-site assessments









## **PRODUCT CAPABILITY**

- Jigs & fixtures for aircraft
- Measuring & reporting
- Tool manufacture

#### NON DESTRUCTIVE TESTING (NDT)

#### (In partnership)

- Ultrasonic
- Fluor penetrant inspection
- Mag penetrant inspection
- Eddy current
- Hardness
- Ultrasonic
- X-ray
- Gamma

#### (In-house)

- Dimensional CMM
- Dimensional table









## **OUR CUSTOMERS**

B/E Aerospace Bombardier Raytheon

General Electric

#### **QUALITY ASSURANCE**

#### Digitizers and CMM machines compare for any variation between the final machined part and the design drawing.

Individual projects are continuously signed off for quality compliance and reviewed by other staff members for completion.

Monthly quality assurance audits are a vital part of maintaining the certification for production of aerospace parts.

These audits are reviewed by the aviation regulatory authority.

## TESTED TRUSTED

#### CAPABILITIES

#### The TEG design team and metrology experts use the latest CAD/CAM packages and other software tools.

#### Production facilities include:

- Machining centres (Hurco, Mori Seiki, Renishaw Probing, Doosan, 3,4 & 5 Axis)
- Lathes (Proturn, Hurco)
- EDM (Agie Charmille)
- NDT
- CMM (Mitutoyo, Renishaw Digitizer)
- Manual mills (Semco)
- Grinders (Okamoto,
- Jones & Shipman)
- Heat treatment (vacuum)
- Surface treatments
- Cutting, forming and bending
- Assembly of parts
- Capable of issuing EASA Form 1 for parts within the scope of EASA Part 21(G) approval

#### **OPERATIONS**

- X-Ray scanning of incoming materials to confirm material specification
- 3-axis, 4-axis & 5-axis CNC machining
- Turning
- Wire erosion
- Spark erosion
- Grinding
- Bending & forming
- Laser cutting
- Water jetting
- Laser etching
- Heat treatment (air & vacuum)
- Forming
- Electroplating cadmium, chromium, copper, nickel, silver, tin
- Alocrome, degrease, wash
- Surface coating anodizing, chromating, painting, shot peening
- Precision mirror polishing
- Electro-polishing
- Passivation
- Fabrications & assemblies

Cranfield Aerospace Lufthansa Technik

Rolls Royce Shannon Aerospace SR Technics

## We are integral

#### **OUR OFFICES**

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