Contact: info.UK@applusrtd.com

Aircraft NDT Inspections and testing

Applus+ Aerospace has a long and well established reputation for providing a first class, reliable and responsive non-destructive inspection service to the aircraft industry. Our Client portfolio includes aircraft operators located around the world, maintenance organisations (MRO's) as well as countless approved suppliers to these sectors and we have a proven record for providing our inspection services internationally at very short notice.

THE Applus+ SOLUTION

From our UK based Test Facilities, our highly experienced and qualified specialist Technicians travel to many parts of the world to provide the necessary NDT support in response to 'Aircraft On Ground' (AOG) situations. Applus+ management acknowledges that in such circumstances, response times are of the essence and accordingly we operate a 24 hour, 7 day a week system throughout the year to ensure that our Technicians are en-route, on site and undertaking the inspections as quickly as possible at all times.

We are approved to carry out aircraft NDT inspections on all aircraft and engine types as well as materials, components and structures under the regulatory Approvals listed below:

- EASA Part 145 (European Aviation Safety Agency) – Approval Number: UK.145.00416
- FAA Part 145 (Federal Aviation Administration) – Approval Number: T99Y399N
- TCCA (Transport Canada Civil Aviation) – Approval Number: 809-04

Should you require guidance or assistance, please contact our Reigate Office (see 'Locations' page) or the phone number shown above and our experienced staff will be pleased to help.

Target customers

The main methods of aircraft testing that Applus+ can carry out can be found in the Table below however we are also approved for particular specialist tasks such as:

- Phased Array Ultrasonic inspection of Rolls Royce Trent 700 Engines
- IAE V2500 Aero Engines as per Service Bulletin SB72-0615 (HP Compressor Stage 3-8 Drum)
- Thermography inspection of Rudder Side Panels (All Airbus types)
- Pulse Thermography inspection of Rudder Side Panels (All Airbus types)
- Thermography inspection of A320 Series Elevators
- Phased Array Ultrasonic Testing of Fuselage Scribe Lines (All Boeing Aircraft types).

Key customer benefits

Inspections carried out using Non Destructive Testing means can generally be divided into two distinct categories - Surface Inspection and Volumetric Inspection.

- Surface Inspection is applied when it is necessary to detect 'surface breaking' faults such as cracks, lack of fusion or cold laps whilst
- Volumetric Inspection is applied when it is necessary to detect faults within the 'volume' of a material such as porosity, inclusions or lack of fusion or perhaps, you may simply want to determine correct assembly of a component.

The highly skilled and experienced staff at Applus+ Aerospace will be pleased to offer you advice and assistance so that you can consider which is the most appropriate method to apply for your particular requirement.

We also offer more specialist services such as Thermography and Positive Material Identification (PMI) using XRF Technology as well as Training and Consultancy.