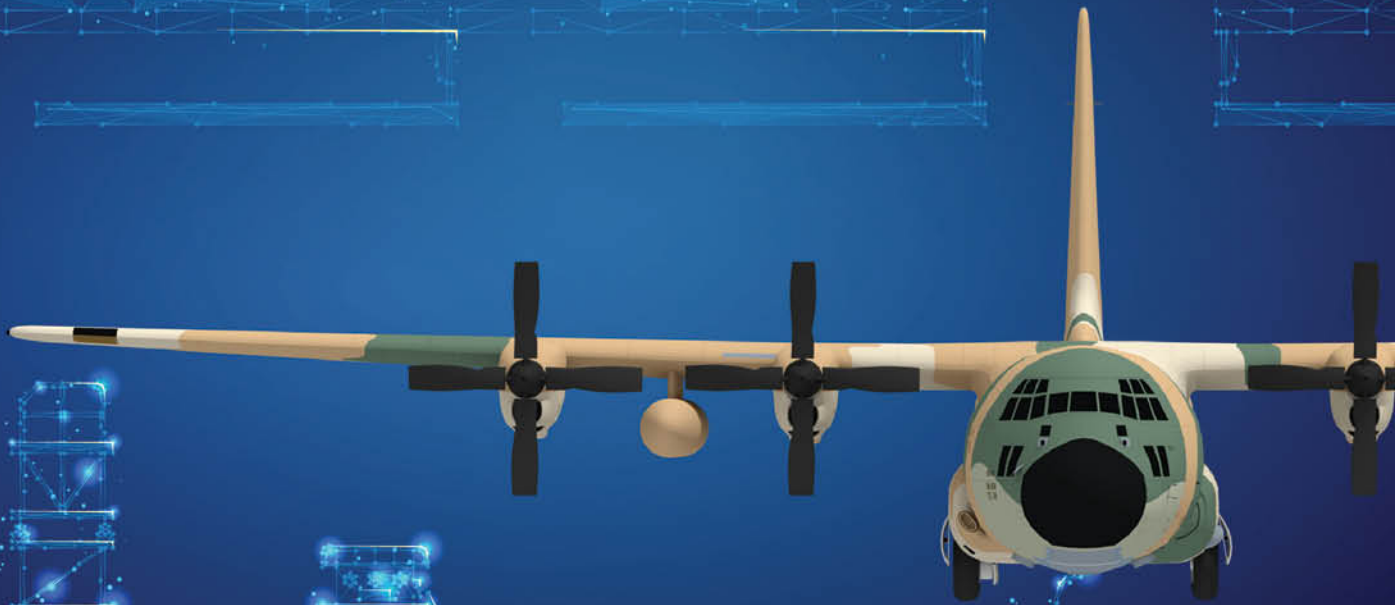


C-130 Centre of Excellence

Premier MRO Support for
C-130 / L-382



>650
C-130 Redelivered



>1,200
T56 Engines Repaired
and Overhauled



>2,000
C-130 Components
Serviced Annually


We are a Lockheed Martin Approved C-130 Service Centre and FAA-certified repair station, servicing worldwide customers since 1996.



One-stop MRO Support for Impeccable Quality, Reliability & Assured Turnaround Time

We are a MRO facility that offers a full range of capabilities for Airframe, Engines and Components - all in the same location. As a one-stop shop, this allows us to manage all maintenance requirements, so as to assure Turnaround Time (TAT) and deliver Cost Effective solutions to our customers.

Turnkey Solutions, Customised to meet Your Operational Needs

 ST Engineering

Our Satisfied Customers

Our long-term customers from around the world are the best testimonials of our performance.

Lynden Air Cargo which is based in Alaska, sends its aircraft all the way to Singapore for Maintenance and Modifications. Citing our overall performance, dedication, hard work, honesty, integrity, customer service and “can-do” attitude, they have been with us since 1999.

A Middle-Eastern Air Force has been our satisfied customer for more than 25 years. We have upgraded their C-130s with a full glass cockpit and continued to perform regular maintenance for them.



We have a wide range of Engineering capabilities - from Aerodynamics to Thermal Analysis, System Integration and Flight Software development, so as to provide tailored solutions to meet your operational requirements. As a one-stop shop, we are able to integrate upgrades concurrently with MRO activities to reduce downtime and maximise fleet availability.



>650
C-130 Redelivered



>1,200
T56 Engines Repaired
and Overhauled

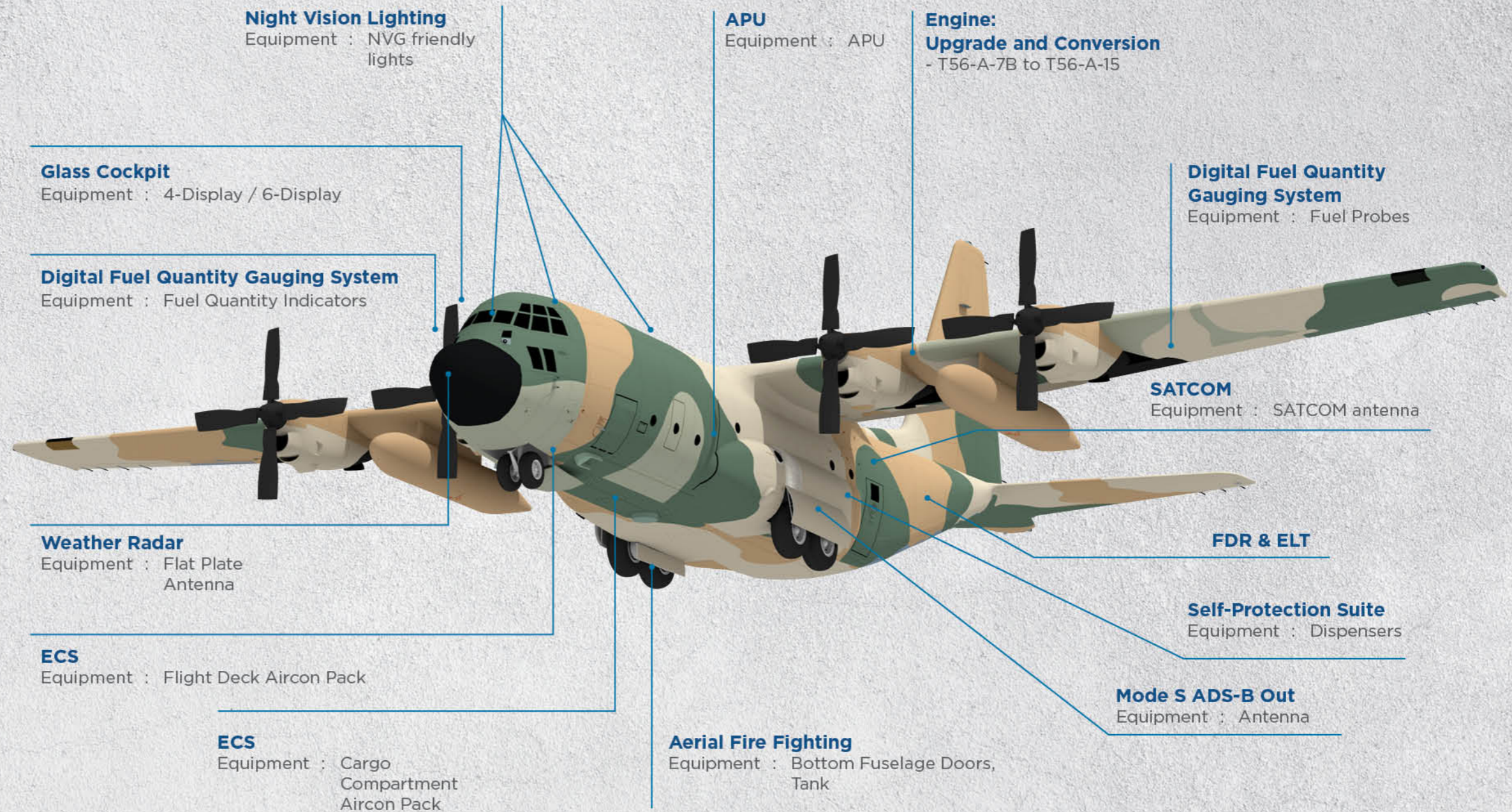


>2,000
C-130 Components
Serviced Annually

Modernisation & Upgrade

With our team of experienced engineers, we have undertaken major turnkey capability upgrades.

- An upgraded integrated Avionics Suite that meets Communication, Navigation & Surveillance/Air Traffic Management (CNS/ATM) requirements for worldwide deployment.
- A modernised full Glass Cockpit with an ergonomic man-machine interface and task automation that helps to reduce aircrew workload and ensure Mission Success.
- Upgrade of ECS and upgrade of GTC/ATM to APU (Long/Short Pod).
- Modification of aircraft structure for new roles such as cargo, medevac and fire fighting.



Night Vision Lighting
Equipment : NVG friendly lights

APU
Equipment : APU

Engine: Upgrade and Conversion
- T56-A-7B to T56-A-15

Glass Cockpit
Equipment : 4-Display / 6-Display

Digital Fuel Quantity Gauging System
Equipment : Fuel Quantity Indicators

Digital Fuel Quantity Gauging System
Equipment : Fuel Probes

SATCOM
Equipment : SATCOM antenna

Weather Radar
Equipment : Flat Plate Antenna

FDR & ELT

ECS
Equipment : Flight Deck Aircon Pack

Self-Protection Suite
Equipment : Dispensers

ECS
Equipment : Cargo Compartment Aircon Pack

Mode S ADS-B Out
Equipment : Antenna

Aerial Fire Fighting
Equipment : Bottom Fuselage Doors, Tank

Airframe Maintenance

Wide Range of Airframe, Engine and Component Capabilities

As an established Lockheed Martin Approved C-130 Service Centre and FAA-certified repair station, servicing worldwide customers since 1996, we provide comprehensive Maintenance, Repair and Overhaul (MRO) services for the Lockheed C-130 / L-382 Hercules. Our capabilities include:

- Depot Level Maintenance (SMP, DLM, PDM, UDLM, SIP, PMI)
- Complete Strip & Paint

- Service Life Extension Programme (including Centre / Outer Wing Replacement)
- Major Structural Repair / Replacement

1 - Fuselage

1. Air Refuelling tanker conversion
2. Fire Fighting tanker conversion
3. Modification of Cargo Handling System
4. Repair / Replacement of Fuselage Skin
5. Repair / Replacement of Belly Caps
6. Repair / Replacement of Floor Beams
7. Fabrication of new Cargo Floorboards
8. Salvage of Belly-Landed aircraft
9. Repair / Replacement of cargo floor Chine Caps and Chine Angles
10. Repair / Replacement of BL 20 and BL 61 Longerons
11. Aircraft ECS modification (Aircon system Upgrade)
12. Aircraft Aux Power Upgrade

Main Wheel Well

1. Replacement of Main Frame at FS 516 and FS 597
2. Replacement of Vertical Beam at FS 528, 577 and 588
3. Replacement of Extruded Bulkhead at BL 61
4. Replacement of Pork Chop Fitting
5. Replacement of Gear Shoe Track
6. Repair / Replacement of Main Wheel Well Longerons at WL 200.

2 - Forward Fuselage

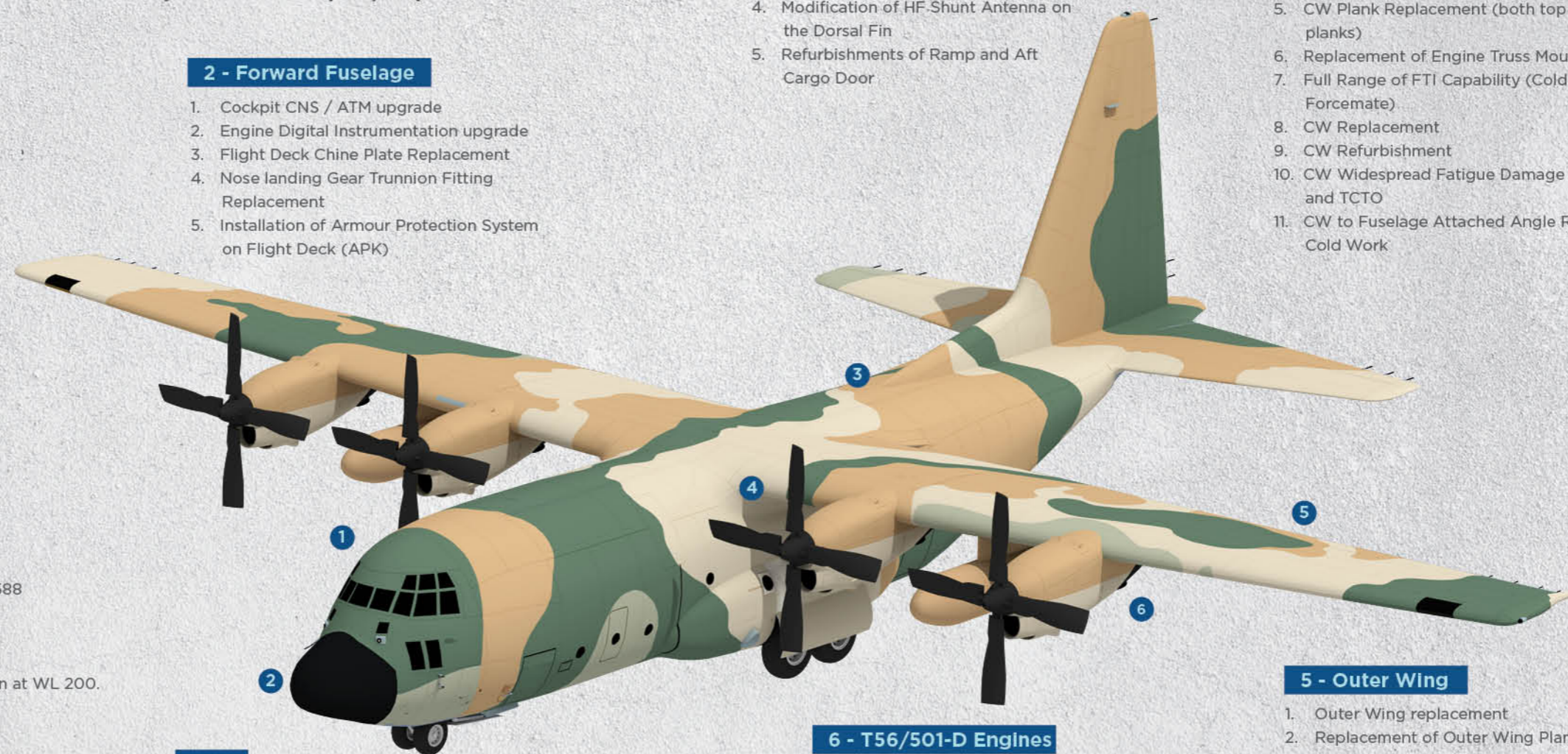
1. Cockpit CNS / ATM upgrade
2. Engine Digital Instrumentation upgrade
3. Flight Deck Chine Plate Replacement
4. Nose landing Gear Trunnion Fitting Replacement
5. Installation of Armour Protection System on Flight Deck (APK)

3 - Aft Fuselage

1. Repair / Replacement of Aft fuselage sloping Longerons
2. Replacement of FS 737 Fitting
3. Replacement of FS 1041 Fitting
4. Modification of HF Shunt Antenna on the Dorsal Fin
5. Refurbishments of Ramp and Aft Cargo Door

4 - Centre Wing (CW)

1. Rainbow Fitting Replacement and Planetary Checks
2. Corner Fitting Replacement and Planetary Checks
3. CW Spar Cap Replacement (all four)
4. CW Front and Rear Web Replacement
5. CW Plank Replacement (both top and bottom planks)
6. Replacement of Engine Truss Mount.
7. Full Range of FTI Capability (Cold work, Bush-Loc, Forcemate)
8. CW Replacement
9. CW Refurbishment
10. CW Widespread Fatigue Damage Inspection iaw SB and TCTO
11. CW to Fuselage Attached Angle Replacement and Cold Work



QEC

1. Replacement of QEC Upper and Lower Longerons
2. Repair and Replacement of Firewall Bulkhead.
3. IRAN on Complete QEC
4. Replacement of Aft Mount Support Fitting

6 - T56/501-D Engines

1. Bare Engine Maintenance, Repair and Overhaul (MRO)
2. Module Removal and Replacement
3. Bare Engine Upgrade and Conversion
4. Bare and QEC Testing

5 - Outer Wing

1. Outer Wing replacement
2. Replacement of Outer Wing Planks and Spar Cap
3. Replacement of Engine Truss Mount
4. Rainbow Fitting Replacement and Planetary Checks
5. Corner Fitting Replacement and Planetary Checks



T56 Engine Upgrade, Repair and Overhaul

Our customers enjoy peace of mind, knowing that their engines are in good hands. As a Rolls-Royce T56 Authorised Maintenance Centre (AMC) and Federal Aviation Administration (FAA) approved shop, we offer a comprehensive suite of solutions for the Rolls-Royce T56/501-D engines. With a strong track record of more than 1,200 engines re-delivered since 1983, we ensure that our customers receive consistent high quality services that are in accordance with international airworthiness standards and ISO 9001 Quality Management.

Extensive MRO solutions for Rolls-Royce T56/501-D engines include:

- Engine repair supported by an in-house accessories shop to supply more than 95% of T56/501-D engine parts.
- Full testing service for engine (with or without Quick Engine Change, QEC) and gearbox to complement suite of MRO support solutions.
- Engine field service support and a suite of T56/501-D engine upgrade and conversion programmes to meet customer's specific requirements. This includes engine upgrades for T56-A-7B to T56-A-15 models for better reliability and longer time on-wing.

Component Repair and Overhaul

- Largest independent aircraft component repair & overhaul facility in Asia Pacific.
- Extensive range of components - avionics, electrical, hydraulic and mechanical.
- Authorised Service Centre for many OEMs - eg. Airbus Helicopters, Boeing, Parker.



ST ENGINEERING
DEFENCE AEROSPACE
www.stengg.com
Def.Aero.Marketing@stengg.com

© 2022 ST ENGINEERING DEFENCE AVIATION SERVICES PTE. LTD. All rights reserved.

DOP 0222



www.stengg.com/en/defence/air/