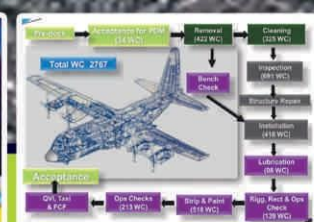




## Introduction

Shaheen Foundation, PAF is a Welfare Trust established vide Gazette Notification of Pakistan & under takes business through its subsidiaries'. The Project Shaheen Aviation Maintenance Repair Overhaul Centre (**SAMROC**) established at Head Office Shaheen Foundation, Islamabad, is accountable to Shaheen Foundation, PAF for its administration, finances and operations. **SAMROC** is mandated to support friendly Air Forces and provide technical support and training for similar aircraft / equipment using own expertise and engineering facilities of the Pakistan Air Force & Aviation Industries of Pakistan. **SAMROC** is also capable to provide technical services to users / clients in the international aviation market

e.g. Nigerian Air Force, Sri Lanka Air Force, as well as to local clients like SUPPARCO Lahore & Karachi, National Radio Telecommunication Corporation (NRTC) and Air Weapon Complex (AWC) etc. The MRO services and facilities which can be offered to foreign / local clients / users are enumerated below:-

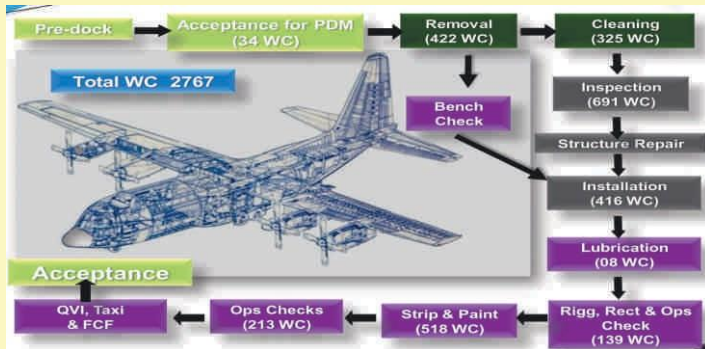




## C-130 AIRCRAFT

Shaheen Foundation, PAF MRO & Avn Sys can provide under mentioned & OEM Certified services.

- (a) PDM, structural repairs, SB's and Modifications.



- (b) T56 Engine Overhaul using OEM Certified facility.



- (c) Propeller Overhaul at OEM Hamilton Sundstrand Netherland approved facility.



- (d) QEC Overhaul Certified by DERCO Aerospace Inc, USA.



- (e) Reduction Gear Box (RGB) overhaul.  
 (f) Turbine Module overhaul.  
 (g) Flap and Landing Gear Ball Screw Overhaul Facility.  
 (h) Landing Gear Overhaul.  
 (j) Component Bench Check, Repair / Overhaul.  
 (k) Hydraulic, Fuel, Oil and Pneumatic components Overhaul.  
 (l) Wheel brakes upgrade modification.  
 (m) Wheels Brakes Overhaul.

## F-7 / FT-7 AIRCRAFT

- (a) General overhaul of F-7 / FT-7 aircraft (at eight years). Certified by OEM (China).



- (b) Hydraulic, Fuel, Pneumatic components overhauling / servicing.  
 (c) Electrical, instrument and Avionic components overhauling / servicing. Certified by OEM (China).



- (d) Fuel pylons, Boob hooks unit overhauling / servicing. Certified by OEM (China).





- (e) Inspection, servicing of MB ejection seat. Certified by OEM (UK).
- (f) Inspection, servicing of Chinese org aircraft ejection seat. Certified by OEM (China).
- (g) Life extension of F-7 / FT-7 aircraft (2-3 years depending upon the health of aircraft. Certified by OEM (China).
- (h) F-7 / FT-7 aircraft Engines Life extension, overhauling. Certified by OEM (China).
- (j) Modification on F-7 / FT-7 aircraft Certified by OEM (China).

- (b) PME calibration facility for mechanical parts. Certified by OEM (China) ISO 9001-2008 AS Rev "C" standard.



## CALIBRATION CAPABILITIES

- (a) Calibration, repair / servicing of Electronic PME using R & S Auto cal system.



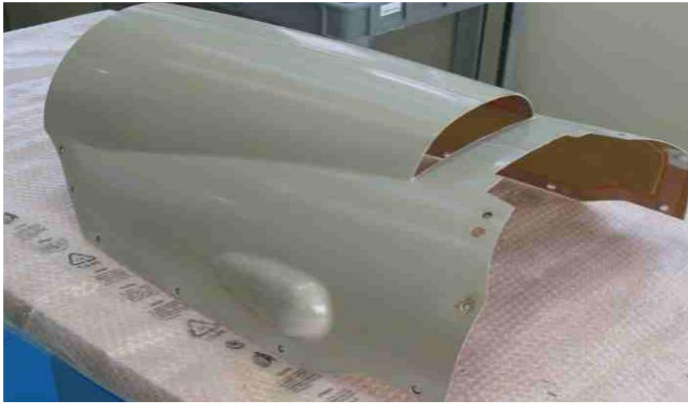
## MANUFACTURING CAPABILITIES

- (a) Manufacturing of Mushshak (MFI-17) and Supper Mushshak (MFI-17) aircraft. SAAB License PCCA Certification AS9100 Rev C Certification.





(b) Manufacturing of Unmanned aerial vehicle (UAV) SG(OEM) Certification.



- (c) Development of Emergency Simulation System (ESS) for all type of aircraft. Certified by OEM.



- (e) Generic facility for manufacturing of canopy bubbles and wind shield glass / windows. . Certified by OEM (China) Qualification by M/S Mecaplex Switzerland



- (f) Manufacturing of looms and harness of all type of aircraft used in Aviation industry. Certified by OEM (China) Qualification by SAGEM, France Authorized by Pak Army Aviation.



- (d) Manufacturing, overhauling and repair of aircraft canopies. Certified by OEM (China) Qualification by M/S Mecaplex Switzerland



- (g) Manufacturing of aircraft drop tank. Certified by OEM (China).





(h) Manufacturing of hardware's used in Aviation industry. Certified by OEM (China)



- (j) Manufacturing of aircraft rubber seals.
- (k) Manufacturing of aircraft rubber hoses etc.

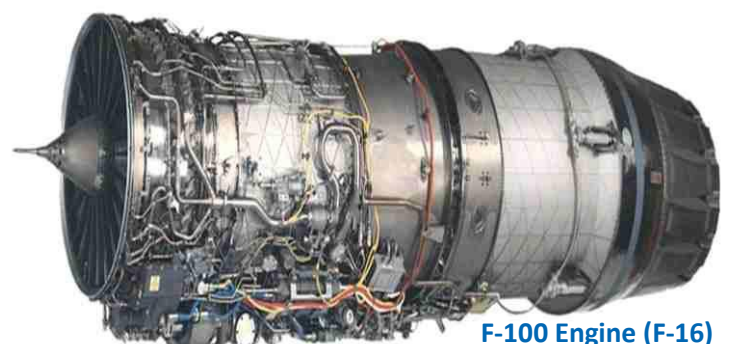
(l) Manufacturing of general rubber parts.

## Avionics Upgrade (Flight 2 system) in collaboration with Rockwell Collins.



## REPAIR / OVERHAULING FACILITIES OF F-16

- (a) Overhauling of F-100 Engine Certified by OEM Rolls Royce
- (b) Repair / overhauling of accessories of F-100 Engine



F-100 Engine (F-16)

## SPECIAL ENGINEERING FACILITIES

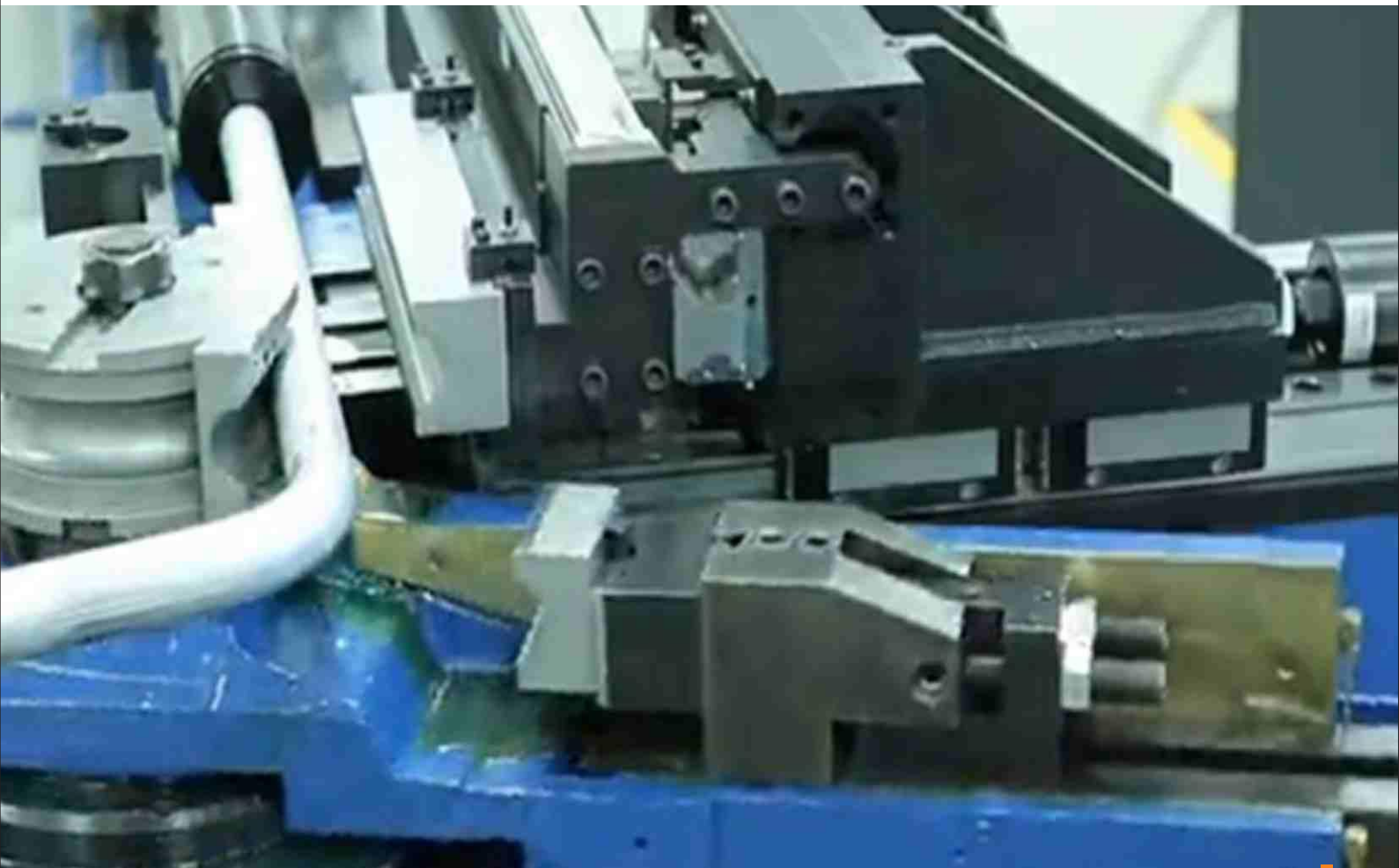
(a) Specialized welding Of engine parts.



(b) Plasma coating of engine parts.



(c) CNC pipe bending facilities certified by CAAP (Civil Aviation Authority Pakistan).





## GROUND SUPPORT EQUIPMENT

**GPUs 90KVA & 60KVA**



**Universal Battery Charger / Analyzer**



**Electric Driven Hydraulic Test Stand**



**60KVA Frequency Converter Unit**



## TRAINING

We have developed state of the art training facilities for F-7 aircraft , C-130 aircraft & apart from providing training to local and foreign customers in Pakistan can also establish field training center (FTC) on turnkey solution to our valued customers. The training set up (FTC) includes,

- Computer Base training (CBTs)
- E. lessons, E. precis, and question bank etc.

