

ENGINE MAINTENANCE PRODUCTION DEPARTMENT EMPD

AVAILABLE SERVICES



SERVICES UNDER DEVELOPMENT



EMPD TEAM

ENGINE MAINTENANCE PRODUCTION DEPARTMENT

DME Hospital Engine Maintenance Shop

250 SQ.M
2 PRODUCTION LINES
11 EMPLOYEES
180 PERFORMED
EVENTS 4 YEARS OF
OPERATION

MRV Hospital Engine Maintenance Shop

900 SQ.M
4 PRODUCTION LINES
7 EMPLOYEES
6 PERFORMED EVENTS
1 YEAR OF OPERATION

Customer and Engineering Support

7 EMPLOYEES
DME AND MRV
SUPPORT
CUSTOMISED
SOLUTIONS

SVO OH APU Maintenance Shop since 2021

12600 SQ.M
6 PRODUCTION
LINES
>30 EMPLOYEES
UP TO 100 APU OH
PER YEAR

SVO OH Engine Maintenance Shop since 2022

12600 SQ.M
3 PRODUCTION LINES
>50 EMPLOYEES
UP TO 42 ENGINES
OH PER YEAR

24 HOURS A DAY OUR TEAM IS SUPPORTED BY QUALIFIED S7 TECHNICS SPECIALISTS

Engine on-wing and off-wing maintenance:

- ✓ Troubleshooting assistance and problems solving (Oil/Fuel leaks, High Vibration, Low EGT margin, Surge/Stall and etc.)
- ✓ Engine conversion/rating change
- ✓ QEC, LRU and accessories removal, inspection and installation
- ✓ AD and SB incorporation
- ✓ MPA Run results assessment
- ✓ MPD tasks compliance
- ✓ Engine general visual inspection (GVI)
- ✓ Borescope inspection
- ✓ Engine lease return (redelivery) inspection and certification

Keeping your engine on-wing

Reducing downtime

Minimizing maintenance cost

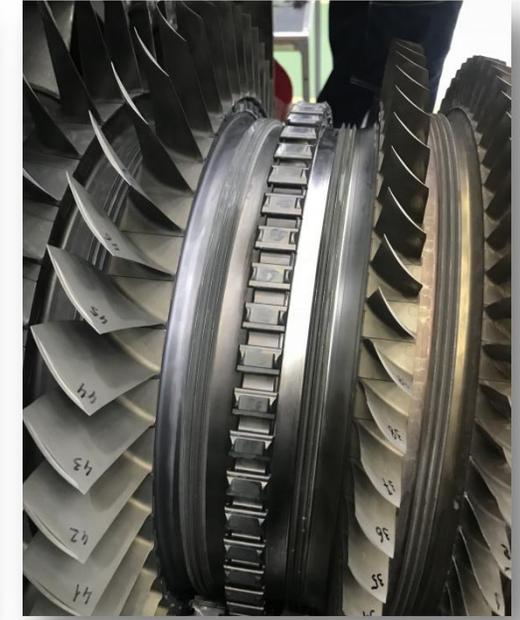
Handling with care

Storage in secured environment



Engine on-wing and off-wing maintenance (continue):

- ✓ Fan Disk replacement
- ✓ Fan Containment Case replacement
- ✓ HPC Top case repair
- ✓ HPC Rotor-to-stator contact repair and modification
- ✓ LPT stage 1 NGV segments replacement
- ✓ HPT rotor blades replacement
- ✓ HPT NGV segments replacement
- ✓ Combustor chamber replacement
- ✓ Engine modules replacement: LPC booster, LPT major module, AGB and TGB modules
- ✓ Bearing №4 replacement
- ✓ AD and SB incorporation
- ✓ Engine preservation for a period from 30 up to 365 days and preservation extension



Deep level of Engine
Disassembly/
Assembly

AMM criteria
application during
inspection



Our achievements since shop establishment for 4 years:

- ✓ Performed repairs/events > 186
- ✓ On-time accepted delivery rate – 100%
- ✓ Capability extension CFM56-3/-5B/-7B up to but excluding Overhaul

	Expected customer savings
Labor cost	10 – 20%
Additional services and inspections	10 – 15% AMM criteria used where possible
Customized engine workscope	Up to 50%
Optimized material supply	5%
Engine transportation	Up to 90%
Spare engine lease	50%
TOTAL TAT	Up to 50%
FINAL INVOICE	Up to 60%

TO SUPPORT YOUR OPERATIONS



- Aircraft Down Time reduction
- Improved Time on-wing
- **SPARE ENGINE SUPPORT**
- Customized **SOLUTIONS**

TO REDUCE YOUR COSTS



- Avoid an unscheduled Shop visit
- Avoid expensive damage
- **REDUCE ENGINE OFF WING TIME**
- **LOGISTICS/CUSTOMS SAVINGS**

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Thank You!

