Air India Engineering facility
Your Best Choice for all MRO requirements!
Air India, the Country's proud flag carrier, also has the 'biggest' MRO set up in India that can serve as a One-Stop-Shop for all Engineering requirements.

Come, benefit from our wide expertise and extensive facilities for the A320 family, A310, A330, B737NG, B747-400, B777, B787, ATR & CRJ aircraft.

Get high quality services at an economical cost from the most experienced MRO in India.

The Recipient of “Best Airframe MRO-2011” and “Best Engine MRO for 2011” award.

AIR INDIA ENGINEERING OFFERS

Maintenance Services
- Line Maintenance
- Base Maintenance
- Engine & APU Overhaul
- Avionics and Components Overhaul
- Structural Repairs
- Cabin and Seat Repair
- Landing Gear Repair and Overhaul

Engineering Support Services
- Engineering Training
- Asset Management
- Project Management
- Material Management
- Quality Assurance
- CAM

Specialised Services
- Non Destructive testing (NDT), Aircraft Weighing, Calibration of Measuring Instruments, Gauges etc. & Testing laboratories
- Engine Borescopes
- Proof load test of Aircraft jacks and lifting devices
- Hydraulic Tubing/ Hoses
- On wing Engine Cleaning with Eco Wash
- Facility & Equipment Support

Our Strengths
- Highly skilled and trained manpower backed by efficient engineering, material & logistic support
- Extensive use of specialized tools & equipments
- MRO with network coverage of 64 Stations
- As an Airline owned MRO, understanding MRO requirements of customers is far better and hence can offer Customized solution for every Customer need.
- Offers latest Maintenance and Engineering IT solutions for efficient working, improved documentation & records at reduced costs.
- Extensive back shops capabilities to support frontline maintenance.
- High Quality at economical Cost
- Low turnaround time
- Elaborate In-COMING Parts inspection to ensure use of authentic Spares
- Use of JIT concepts, proven network of Repair Vendors, etc
MAINTENANCE SERVICES

Line and Base Maintenance:

- Expertise in handling wide variety of aircraft such as A320 family, A310, A330, B737NG, B747-400, B777, B787, ATR & CRJ at all major airports in India with state-of-the-art Centralized Maintenance Control, that fully supports all activities of maintenance on a 24X7 basis
- Maintenance activity backed by a full scale planning facility, strong material and logistics support
- Hangar facilities at major metros like Mumbai, Delhi, Kolkata, Hyderabad, Chennai and Tiruvanthapuram
- Large Stocking Stores at each station

Engine Overhaul:

- Proven expertise in managing the main driver of your maintenance cost - the Engine
- The only FAA/EASA approved repair station in India that can handle various types of engines and APUs
- Our facilities include fully dust-controlled shops that air-conditioned. Each line has its own cleaning and FPI set up using lean six sigma processes
- Repair Shop fully equipped with CNC machines, 5 – axis milling machine, welding, and plasma spray with a 9-axis robotic plasma spray machine
- Test cell is a well-equipped, computerized 100,000 lbs capacity
- Access to worldwide repair vendors who carryout specialized repair jobs. Experience also in dealing with DER repairs and handling PMA parts
Avionics Accessories and Components:
- DGCA/ FAA/EASA approved repair stations.
- Largest independent Avionics and Component repair facility in India
- Extensive range of services including repair, overhaul & modification of components and flight recorder transcription facilities
- Our world class facilities can cater to your sensitive avionics components like flight deck instruments, radio communication & navigation equipments, onboard computers, In-flight entertainment, Weather radar, Displays and CVR/DFDR readout for A320 family, A310, A330, B737NG, B747-400, B777, B787, ATR & CRJ
- Extensive capabilities for Hydraulic, Pneumatic and Electrical Components for airframes, engines Landing gear, Cabin safety and survival equipment, Thrust Reversers, for commercial aircraft such as A320 family, A310, A330, B737NG, B747-400, B777, B787, ATR & CRJ
- Wheels and Brakes Shop equipped with the latest automatic eddy current inspection and auto torque equipments for working on aircraft wheels & Brake

Structural Repairs
- Our structural Repairs cater to all kinds of Structural Repair work and can support AOG events, customized program as per your schedule and requirements
- Our advanced state-of-the-art Composite Repair Facility is staffed with highly trained and experienced technicians

Cabin and Seat Repair facility
- We understand that the most visible part of aircraft is the cabin and needs specialized care and attention
- We have skilled and experienced manpower and have over 35 years of experience in the field
- More than 100,000 seats repaired/overhauled so far

Landing gear
- The latest addition to our landing Gear capability is B737-800 NG
- We also offer on wing repair services at any location including seal changes and gear replacement to ensure customers are fully satisfied no matter where
**ENGINEERING SUPPORT SERVICES**

**Training:** Experience in conducting Maintenance Training for the past 40 years by a highly experienced pool of instructors and practical trainers. We can customize courses to your specific requirements and deliver these courses in India or any other location of your choice. We offer: Basic Ab-initio Training, DGCA approved training courses, Type Training on all types of Aircraft in fleet, Structural Repair Courses, APU familiarization courses, Engine Hardware & System Familiarization Course, Cabin Electrical & Avionics Courses, Human Factor in Aviation Maintenance, Computer Based Training (CBT) for Boeing Aircraft.

**Asset Management** - Aircraft Leases, Lease Return, new Aircraft acquisition, aging fleet disposal

**Project Management** - Greenfield and Brownfield Projects for Hangar and Back-Shops

**Material Management** - OEM and Non-OEM Solutions and access to hundreds of Vendors

**Quality Assurance & Continuing Airworthiness Management (CAM)** Ensures quality at each stage

---

**SPECIALISED SERVICES**

- **Non Destructive Testing Facility** - NDT inspection using the magnetic particle, X-ray, fluorescent penetrant, Ultrasonic & Eddy current inspection as well calibration of measuring Instruments, gauges etc.
- **Testing of Fuel, Oil and Hydraulic Fluids samples**
- **Aircraft weighing**
- **Proof Load** - Extensive facilities for Proof load test of all kinds of Aircraft jacks and lifting devices
- **Hydraulic Tubing/Hoses** - Repair, Fabrication and Testing of Hydraulic and Oxygen pipes and hoses as per manufacturer's specification. We carry out 'perm swaging and in-situ repair' of tubes to reduce ground time of your aircraft.
- **Facility & Equipment** - We offer high technology specialized tools and equipment on lease to reduce your inventory cost.
- **Video Boroscope Inspection** - We can offer Borescope Inspection at any place in the World.
- **Ecopower Engine wash facility** - To clean Engine gas path & reduce Fuel Burn
We are approved by:

- DGCA (Director General of Civil Aviation)
- FAA (Federal Aviation Administration)
- EASA (European Aviation Safety Agency)
- ICAO (International Civil Aviation Organization)
- ISO-9001:2000 (Bureau of Indian Standards)

Some of our valued and satisfied customers:

- Bangladesh Biman
- Cathay Pacific
- P&W LMS
- SQ-Cargo
- Korean Air
- Qatar Airways
- Etihad
- Silk Air
- Thai Air
- Yemen Airwys
- Kuwait Airways
- Saudi Arabian
- Airworks
- Global Vectra
- Indamer
- Varman Aviation
- GMR
- Jet Airways
- Indigo
- Go Air
- Spicejet
- Blue Dart
- Taj Air
- Reliance Aviation
- Aviation Research Centre
- BSF
- Coast Guard
- Indian Airforce
- Indian Navy
- HAL
- Pawan Hans

Capability of MRO:

<table>
<thead>
<tr>
<th>DELHI</th>
<th>MUMBAI</th>
<th>HYDERABAD / TIRUVANANTHAPURAM</th>
<th>KOLKATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>A320 &amp; B737 A/C</td>
<td>A321 / A330 A/C</td>
<td>Hyderabad A320 A/C</td>
<td>A319 A/C</td>
</tr>
<tr>
<td>- Major Checks</td>
<td>- Major Checks</td>
<td>- 'A' Check</td>
<td>- Major Checks</td>
</tr>
<tr>
<td>- Components Overhaul</td>
<td>- Components Overhaul</td>
<td>- 'C' Check</td>
<td>- Components Overhaul</td>
</tr>
<tr>
<td>- Automatic Test Equipment</td>
<td>- Automatic Test Equipment</td>
<td>- B737/ A320 A/C / ATR</td>
<td>- Overhaul of</td>
</tr>
<tr>
<td>facilities</td>
<td>facilities</td>
<td>Wheels &amp; Brakes / B737-800 Wheels</td>
<td>- APU of A320 Family</td>
</tr>
<tr>
<td>JEOC</td>
<td></td>
<td></td>
<td>- High Flow Pneumatic</td>
</tr>
<tr>
<td>Overhaul of</td>
<td></td>
<td></td>
<td>- Components</td>
</tr>
<tr>
<td>V2500 Engine</td>
<td></td>
<td></td>
<td>Overhaul of</td>
</tr>
<tr>
<td>JT8D Engine</td>
<td></td>
<td></td>
<td>- Fuel Accessories</td>
</tr>
<tr>
<td>CFM 56 - 5B</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For more information please contact us:
Airbus Group - Mr. Anil Shakdher, E-mail - Anil.Shakdher@airindia.in, Tel. 91-22-23422035.
Boeing Group - Mr. Mukesh Kumar, E-mail - Mukesh.kumar@airindia.in, Tel. 91-22-26263251.