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Bombardier's footprint on the Maintenance, Repair and Overhaul (MRO) market

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Agenda





Bombardier's footprint on the Commercial and Business Aircraft MRO market

Services Centers:

 Wholly owned Service Centers deliver comprehensive MRO services 24 hours a day and 7 days a week

Authorized Service Facilities (ASF):

- Authorized service partners strategically located around the world provide a full suite of MRO services
- Bombardier approved parts and equipment
- Same quality standards as Bombardier wholly owned Service Centers

Mobile Response:

- Mobile Repair Team (MRT) specialized in the repair of all Bombardier aircraft types
- Repairs at the highest OEM standards
- Quick Turn Around Time (TAT)



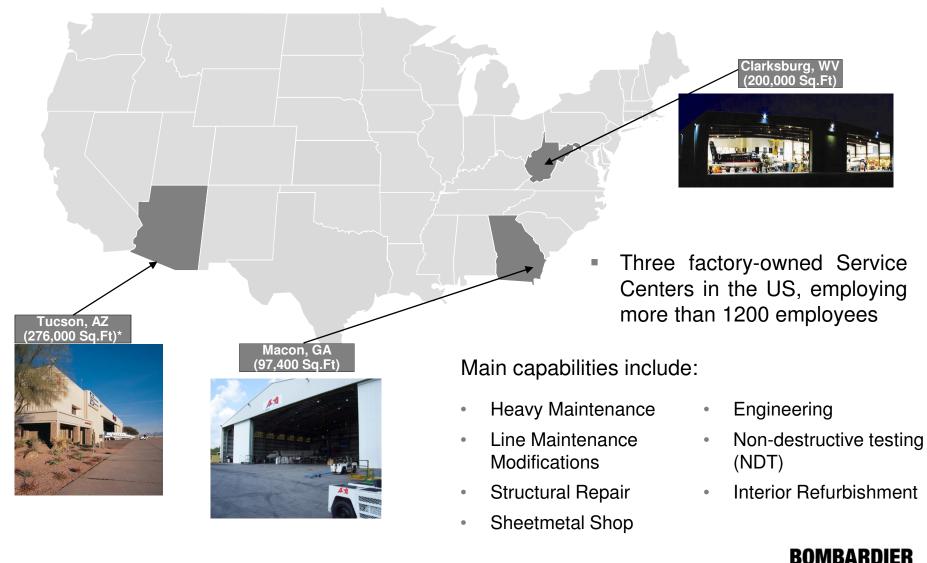
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Bombardier's footprint on the Commercial and Business Aircraft MRO market





Commercial Aircraft - Service Centers



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Commercial Aircraft – Authorized Service Facilities (ASF)



- Independent MROs designated as ASFs
- Strategically located around the world
- Main capabilities equal to that of the Bombardier Service Centers
- To be designated an ASF, prospective MROs must meet stringent quality and business process standards
- ASFs use OEM approved technical publications, parts and tooling for Bombardier products

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Business Aircraft – Service Centers and ASFs



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Commercial and Business Aircraft – Mobile Repair Team (MRT)







- Prepared to deploy on short notice to anywhere around the world.
- Dedicated AOG on-site support.
- In-field structural repairs and system rebuilds for rapid aircraft return to service.
- Liaison between Bombardier Engineering and the customer on MRT project related activities

Main capabilities:

- Damage assessment
- Repair proposal
- Aircraft recovery
- Damage repair
- Project Management



MRT Services: Success Stories Commercial Aircraft



CRJ200: Repairs to radar bulkhead and cockpit skin after ramp collision damage





CRJ200: frame and Nose Landing Gear (NLG) support structure replacement after runway excursion

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MRO services: Success Stories Business Aircraft

Interior refurbishment shop added to the Singapore Service Center in April 2015:

- Flying Colours Corp., the Ontario-based Canadian aviation company specializing in business aircraft completions, maintenance and refurbishments, has a full interior shop on-site at the Singapore Service Centre
- It can perform interior work on all Learjet, Challenger and Global aircraft.
- Full range of services includes preliminary interior inspection, removal and installation, repair, modification and refurbishment work
- Offers expanded capability to operators closer to their base operations





Aircraft Customization: Success Stories Commercial Aircraft

CRJ200 "Large Cargo Door" Freighter Conversion



- Aftermarket solution for CRJ 200 freighter operators
- Bombardier Licensed third party STC provider: Aeronautical Engineers, Inc. (AEI)
- IFL Group was the launch customer for the CRJ200 SF (Special Freighter)
- 40 aircraft modified up to date





Aircraft Customization: Success Stories Business Aircraft

Bombardier MEDEVAC aircraft solution:

- The Quebec Government operates two Challenger 601 which fly a combined annual 2,500 hours
- The aircraft are used for remote missions in Quebec province
- Air Hospital configuration: Up to five passenger seats, three Intensive Care Units, three Stretchers, one Infant Incubator

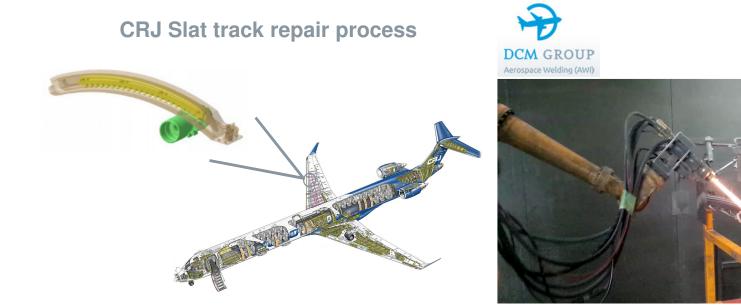






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Small and Medium-sized Enterprises (SME) contribution to Bombardier Aerospace



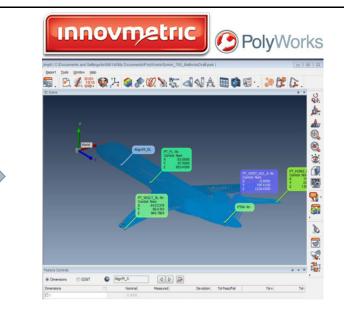
- Aerospace Welding (AWI) employs over 100 workers in Blainville, QC.
- Currently an approved repair facility by Bombardier Commercial Aircraft
- To provide a better customer experience, Bombardier worked with AWI to develop a robust repair solution as an alternative to purchasing new slats tracks
 - Bombardier and AWI developed a repair procedure using HVOF (High Velocity Oxy-Fuel spraying).



Small and Medium-sized Enterprises (SME) contribution to Bombardier Aerospace

Symmetry measurements





- InnovMetric Software Inc. is a Canadian company with headquarters in Quebec
- Bombardier purchased a software tool used for aircraft symmetry measurements:
 - Aircraft geometry evaluation to assess viability of repairing the aircraft
- Recently used in the Tucson Service Center to assist the return to service of a CRJ 200 after long-term storage
- Bombardier worldwide support to assist Operators with symmetry measurement requirements

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Best Practices for MRO Services

- Infrastructure:
 - In-house shops with expanded capabilities to meet customer needs
 - State-of-the-art Technology
- Quality Assurance:
 - Customer and regulatory oversight/audits
 - Shared best practices across Service Center network
 - Highly experienced labor force that is dedicated to the product
- Operations:
 - Robust operational processes continually under improvement
- Maintenance & Cost Planning:
 - Overall cost and turn around time (TAT) guarantees
 - Scope of work definition ahead of aircraft arrival
- Inventory Management
 - Forecast of aircraft parts demand
 - A flexible and efficient parts distribution network









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