

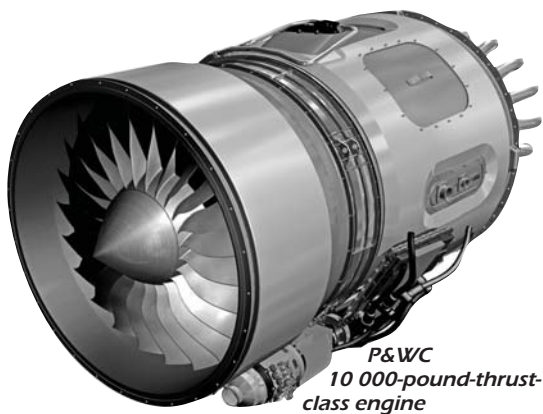
CANADA AEROSPACE

Canadian aerospace firms have a well-deserved reputation for **quality, value, performance** and **reliability**. They are recognized by customers around the world for delivering leading-edge and advanced technology solutions on time and at a competitive cost. Today, Canadian firms are suppliers of choice across a broad spectrum of civil aviation, defence and space programs.



A Significant Global Player

- **Pratt & Whitney Canada** (P&WC) is a global aerospace leader committed to shaping the future of business, general aviation, and regional aircraft and helicopters with high-performing, dependable engines. Innovation has been central to P&WC's international success, and its all-new 10 000-pound-thrust-class engine family is its most recent breakthrough in power, fuel efficiency and environmental friendliness. The first engine, chosen by Cessna Aircraft for the Citation Columbus business jet, will better International Civil Aviation Organization emissions standards by up to 50 percent. P&WC also continues to lead in the very light jet market with its innovative PW600 engine family.



P&WC
10 000-pound-thrust-class engine



Bombardier CRJ705

- **Bombardier Aerospace** is a world leader in the design and manufacture of innovative aviation products and services for regional, business and amphibious aircraft. Bombardier's regional airliner product family, spanning the 36- to 100-seat market, includes the pioneering Bombardier CRJ Series regional jets and cost-efficient Q Series turboprop.

- **Bell Helicopter Textron Canada Limited** has produced over 3400 helicopters for delivery worldwide. Bell's commitment to quality is evidenced by the launch of the 429 Global Ranger, the first of its modular affordable product line (MAPL) offering. More than 260 units are pre-sold.

- The landing gear market is the undisputed domain of Canadian industry. **Goodrich** is the chosen supplier of components for the Airbus A380 landing gear system, **Messier-Dowty** supplies landing gear to Boeing for the 787 Dreamliner, and **Héroux-Devtek** is a reputable supplier of landing gear systems and maintenance, repair and overhaul (MRO) services for various aircraft programs.



Bell's 429 Global Ranger



Government
of Canada

Gouvernement
du Canada

Canada

- **ExelTech Aerospace**, the largest regional aircraft MRO in North America, holds Transport Canada, Federal Aviation Administration and European Aviation Safety Agency approvals to repair a wide range of regional aircraft, structures, components, and electrical and electronic systems. Aircraft types serviced include the Bombardier CRJ and Embraer ERJ regional families, the ATR-42 and 72, the Bombardier Dash 8 family, Saab 340 regional turboprops, the Boeing 737 family, and the CL-215.



Joint Strike Fighter

- The sophisticated Joint Strike Fighter (JSF) features extensive use of composite / hard metal-blended materials throughout the airframe.

military training centres, CAE trains more than 75 000 crew members yearly.



ExelTech Aerospace overhaul maintenance on Bombardier CRJ aircraft

- **ACTS** is one of the industry's leading independent full-service (nose-to-tail) MRO service providers to the airline industry. ACTS services customers in the Americas and operates major maintenance centres in Canada and El Salvador, with a workforce of approximately 5000 employees.

Several Canadian companies supply components and systems to the JSF, including **Magellan** (primary flight and propulsion structures), **Avcorp** (outboard wings), **Honeywell** (power management system), **Héroux-Devtek** (door-locking mechanisms) and **GasTOPS** (prognostics and health management sensors).

- **CAE** is a world leader in the provision of simulation and modelling technologies and training services for civil aviation and defence customers around the globe. CAE has the largest installed base of civil and military full-flight simulators and training devices. Through its global network of 27 civil aviation and



CAE full-flight simulator

- **Thales** is a world leader in mission-critical information systems for the aerospace, defence and security markets, operating in 50 countries with over 68 000 collaborators. Montréal is home to the company's headquarters for regional and business aviation and its worldwide centre of excellence for flight control systems and uncooled optonics technologies.

- **CMC Electronics** (an Esterline company) provides innovative cockpit systems integration and avionics solutions to customers worldwide. CMC is the prime contractor for the avionics systems integration of the Beechcraft T-6B military trainer aircraft.



CMC Electronics cockpit systems integration

- **Magellan Aerospace Corporation** designs, manufactures and repairs aeroengine and aerostructure components and assemblies in addition to advanced products for military and space markets. Based in Canada, the U.S. and the United Kingdom, with a processing centre in India, Magellan provides its global original equipment manufacturers (OEMs) and tier-one customers with the solutions they need.



5-axis machining of composite structures — Magellan

- **Avcorp**, a producer of high-strength interior panels, fuel tanks and structural wing components, as well as fully integrated vertical and horizontal stabilizers, is providing primary flight structures for the Cessna Sovereign and Citation CJ3 business jets.



Cessna Citation CJ3 Center Wing Box

- Serving more than 1400 customers, **Standard Aero** is among the largest small-turbine engine maintenance and repair companies in the world, providing MRO services for General Electric, Rolls-Royce, Honeywell and P&WC engines.
- **Viking Air** is a first-tier OEM of legacy de Havilland aircraft. The company provides a complete range of services for the Beaver Otter, Twin Otter and Dash 7 aircraft, including spares support, engineering services, and MRO and conversions. In April 2007, Viking began production of the all-new DHC-6 Series 400 Twin Otter.

A High-Performing Industry

- Canada is home to more than 400 aerospace firms employing nearly 80 000 skilled professionals. Canadian aerospace firms recorded sales totalling \$22.1 billion in 2006. The industry exports 80 percent of its output to customers worldwide.

- Due to their product and service quality, leading-edge technology and cost competitiveness, Canadian aerospace companies hold a strong position within the supply chains of global OEMs and their tier-one partners.

Canadian Excellence



- Canada's aerospace companies possess strong world-class capabilities in:

- design and production of regional and business aircraft, helicopters, small gas turbine engines, flight simulator systems and landing gear
- structural assemblies and components incorporating advanced materials, including composites, special coatings and alloys
- avionics, communications, power conversion, environmental controls, in-flight entertainment and business solutions
- MRO of aircraft and major systems and aftermarket logistics support
- space robotics, earth observation systems and communications satellites

- Transport Canada's world-recognized aviation certification system ensures that Canadian aerospace products easily meet or exceed the highest standards in safety and reliability. These certification standards are fully recognized by the U.S. Federal Aviation Administration and other regulatory bodies worldwide.

Innovation

- Sustained commitment to research and development (R&D) keeps Canada at the forefront of aircraft technology development and applications — annual R&D investment totals \$1.2 billion.
- An increasing number of innovative small and medium-sized businesses have unique capabilities in composites, coatings and



Bombardier Q400

component system design. Their growing reputation bolsters Canada's recognized expertise in aerospace.

- The aerospace sector is among the leading investors in R&D in Canada — P&WC is the aerospace leader and is consistently one of the top five R&D investors overall.

- Numerous programs and institutions, such as the **Strategic Aerospace and Defence Initiative (SADI)** and **National Research Council Canada**, assist and support innovation in the Canadian aerospace sector.



P&WC laser drilling

Need More Information on Canada?

Aerospace in Canada

- The Canadian Aerospace Industry Team at **Industry Canada** has expert and comprehensive knowledge of Canadian aerospace capabilities. Information on the aerospace industry, including aircraft systems and structures, engines, composites, testing and other services, can be found online at **AERO-Canada** (www.aero-canada.ca) and at Industry Canada (www.ic.gc.ca).

Canadian Suppliers

- The **Aerospace Industries Association of Canada (AIAC)** website contains information on Canadian aerospace capabilities. The AIAC represents more than 400 Canadian aerospace enterprises and works to enhance their competitiveness and export marketing through cooperative efforts and direct contact with governments (www.aiac.ca).
- The **Air Transport Association of Canada (ATAC)**, founded in 1934, represents over 95 percent of commercial aviation in Canada. ATAC membership includes MROs, approved maintenance organizations and OEMs, as well as operator members such as major international airlines, international charter airlines, regional airlines, cargo airlines, air taxi operators, helicopter operators and flight training schools (www.atac.ca).

Take Advantage of Canadian Opportunity Today

- Canada provides businesses with the world's most comprehensive range of proven investment advantages that encourage growth and performance that enhance your bottom line. Canada has a strong, stable and dynamic economy that offers a talented, hard-working and innovative workforce, world-class infrastructure, and leading-edge R&D capabilities. For more information, simply contact the closest Canadian Embassy, High Commission or Consulate, or visit www.investincanada.gc.ca.