



**British Columbia,** *Naturally.*

## British Columbia's Aerospace Sector is Flying High

British Columbia (B.C.) is home to approximately 200 aerospace companies, many of which are proven innovators and technology leaders, and possess world-class capabilities. In addition to being a national leader in sub-sectors that include in-service and support (ISS), maintenance repair and overhaul (MRO), and space, B.C.'s diverse capabilities include training, maintenance, manufacturing, defense and security and more. The industry directly employs almost 9,000 British Columbians who are primarily located in four regions: Greater Vancouver, the Fraser Valley, the Okanagan and Vancouver Island.

### Quality and Innovation

B.C.'s aerospace sector is globally recognized for its excellence in delivering specialized products and services supported by educational and training institutions that supply highly skilled talent to the aerospace sector.

High tech companies provide expertise in remote-sensing, satellite communications, complex robotics, 3-D simulation technology and advanced aerospace systems and sub-systems.

B.C.'s aerospace companies are integral to many global aerospace supply chains. The province's globally competitive companies have earned a worldwide reputation for reliable delivery to customers around the world.



## British Columbia's Aerospace Advantages

A prime location, a talented and multicultural workforce, and a welcoming business climate are helping B.C.'s aerospace companies reach new heights.

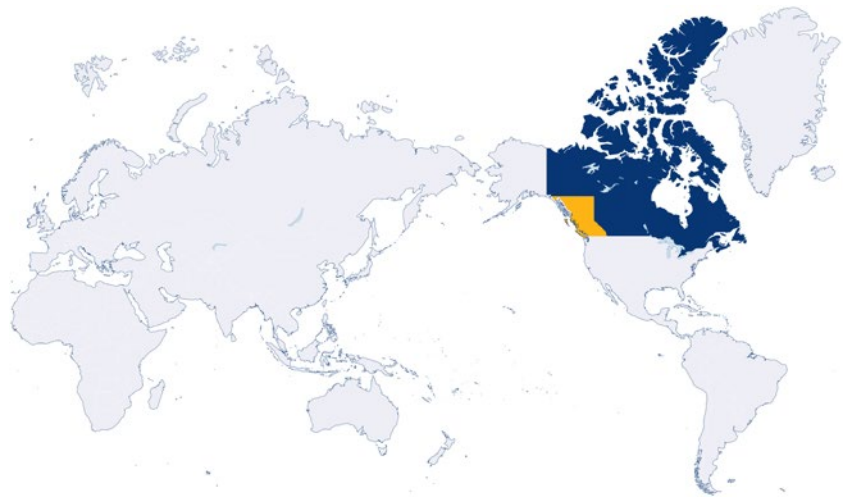


## Leveraging B.C.'s Strengths

B.C.'s aerospace sector is leading the way in adopting innovative clean technologies and artificial intelligence, helping to solve some of today's biggest challenges. For example, B.C.-based Harbour Air conducted a 2023 test flight of its retrofitted eBeaver with the goal of becoming an electric commercial air operator, and De Havilland Canada (formerly Viking Air) developed and manufactures highly maneuverable, rugged aerial firefighting aircraft. These and other innovations are helping shape the future of the aerospace sector.

## A Global Gateway

As Canada's gateway to the Pacific, B.C. has easy access to, and long-standing relationships in the fast-growing Asia Pacific region. B.C.'s aerospace industry is strategically located near to Washington state's aerospace cluster, offering significant supply chain opportunities for B.C. companies to manufacture components for Boeing assembly lines.



## British Columbia is soaring to new heights:

- Canadian leader in the in-service support, maintenance, repair and overhaul, defense and security, and space sectors
- Key contributor to global supply chains
- Export oriented: Over 80% of annual B.C. industry revenues are generated through exports



## Industry Profile

British Columbia's aerospace industry is well-diversified and features a range of capabilities and sub-sectors. The sector is Canada's leader in in-service support (ISS) and maintenance, repair and overhaul (MRO) activity. Other strengths include aircraft production and retrofit, component manufacturing, precision machining, aerial firefighting, 3D visualization, satellite communications, autonomous systems and robotics, geospatial services and aviation training.

### In-Service Support and Maintenance Repair and Overhaul (ISS-MRO)

B.C. companies possess comprehensive ISS-MRO and modification capabilities for both fixed-wing and rotary-wing aircraft, serving commercial, military and original equipment manufacturer customers. B.C. is a national leader in MRO, supporting high value activities such as engineering, integrated logistics support and major systems upgrades in support of the aircraft market.

### Manufacturing and Complex Parts Production

B.C. companies serve major aircraft manufacturers such as Boeing and Bombardier and provide leading-edge design and manufacturing expertise. B.C.'s aerospace companies design and manufacture systems and components for use in new aircraft, such as aircraft communication systems, illuminated panels and more.

### Tooling, Fabrication and Processes

B.C. companies offer industrial automatic tooling, certified aluminum heat treatment, light precision machining and fabrication, precision sheet metal fabrication, heavy machining and fabrication, refurbishing, repair and assembly.

### Aerospace Education, Training and Simulation

B.C.'s aviation training institutions and service providers offer a wide range of services to established and emerging aerospace markets including pilot (ab-initio, refresher and advanced), air traffic control, airport operations, float plane operations and aircraft maintenance.

### Security, Surveillance and Information Management

B.C.'s industry-leading experts in aerospace security, surveillance and information management provide communications, systems integration, user interface design, and graphics expertise and experience.





## Industry Associations

- Aerospace Industries Association of Canada (AIAC) Pacific
- British Columbia Aviation Council
- Canadian Advanced Air Mobility (CAAM)



## Leaders in Education, Training and Simulation

- British Columbia Institute of Technology
- CAE Pelesys Learning Systems Inc.
- Chinook Helicopters
- Coastal Pacific Aviation
- Convergent Manufacturing Technologies
- Coulson Airplane
- Heli-College
- Montair Aviation
- North Island College
- Northern Lights College
- Okanagan College
- RaceRocks 3D
- Topflight Elite Training
- University of British Columbia Mechanical Engineering Aerospace Option
- University of Victoria Centre for Aerospace Research (CfAR)

## Supportive Government

Strong government incentives and financial support are helping British Columbia's aerospace sector reach new heights.

### Building an Engine for New Talent

- \$480-million Future Ready Action Plan.
- Funding for B.C. Institute of Technology's new hands-on Gas Turbine MRO Training Program (the first of its kind in North America), and the University of Victoria's Centre for Aerospace Research for Space, Drone & Hybrid Electric Propulsion technologies research.
- Working with the AIAC and the aerospace sector to attract the best global talent to British Columbia.
- British Columbia Aerospace Careers Website: [bcaerospacecareers.ca](http://bcaerospacecareers.ca)

### Encouraging Investment and Growth

- \$350 million Initiative for Sustainable Aviation Technologies (federal program).
- B.C.'s Innovative Clean Energy Fund.

### Support Programs for Business

- Accelerated Investment Incentive – allows investors to write-off a larger share of newly acquired capital assets' costs.
- The B.C. Employer Training Grant program (ETG) – a cost-shared program that supports skills training (\$10,000 per employee and up to \$300,000 per employer annually).
- Training Tax Credit for Apprentices – provides refundable tax credits of up to \$3,750 for apprentices enrolled in programs administered through the Industry Training Authority.
- B.C.'s Scientific Research & Experimental Development (SR&ED) tax credit program – 10% tax credit for eligible expenses for Canadian Controlled Private Corporations; additional 15% Federal SR&ED tax rebate to non-Canadian controlled companies.
- MITACS – offers cost-shared funding (\$7500 in direct funding) for graduate student internships designed to help businesses take on research challenges.



### British Columbia's economic advantages:

- B.C.'s general Corporate Income Tax rate is 12%. When combined the federal rate, businesses pay an overall rate of 27%
- B.C.'s export-driven aerospace sector is well served by Canada's free trade agreements and preferential access to 51 countries



## British Columbia's Competitive Advantages

- Strategically located on Canada's Pacific Coast
- Well-established connections to global supply chains
- Educated and skilled talent pool
- Competitive corporate and personal income taxes
- A flourishing innovation ecosystem



## Join these and other high-flyers who call B.C. home:

- Anodyne Electronics Manufacturing ■ ASCO Aerospace Canada
- Boeing Vancouver ■ Cascade Aerospace ■ Conair Group Inc.
- Coulson Group ■ Heli-One ■ KF Aerospace
- MTU Maintenance Canada ■ SEI Industries ■ SKYTRAC
- Viking Air (now part of De Havilland Canada)



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## Trade and Invest British Columbia

999 Canada Place, Suite 730  
Vancouver, British Columbia  
Canada, V6C 3E1  
Phone: +1 604 775-2100  
[international@gov.bc.ca](mailto:international@gov.bc.ca)

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