Professional Engineering - Air Systems/Pneumatics - Pool Posting

Location	Dorval, Québec, H4S 1Y9
Posting date	2026-06-24
Business unit	People & Sustainability
Organization	Aerospace Canada
Primary site	Administrative Centre (CA)
Status	Permanent
Posting languages	FR, EN

Responsibilities

- Role as a system engineer and conduct pneumatic discipline activities
- Oversight: integration and management of assigned system interfaces and coordinate with internal groups and suppliers
- Definition: the pneumatic system architecture, prepare specifications and requirements, conduct functional modelling studies and commercial studies
- Oversight: management, validation and verification of technical requirements
- Managing suppliers from a technical and engineering perspective
- Review and approval: technical design documents such as supplier drawings, test procedures, acceptance testing procedures, qualification reports and certification documents
- Documentation: the results of technical analysis, ground tests and flight tests
- Preparation: engineering technical reports to demonstrate compliance with applicable certification requirements
- Support: the construction and operation of test platforms (rigs, flight test vehicles)
- Work within the multidisciplinary team to address product engineering definition or problem solving
- Preparation: design changes and optimized solutions
- Support: production and service teams in troubleshooting engineering systems problems
- Oversight: adherence to program schedule and milestones
- Contributions to Knowledge Domain and Bombardier Engineering System (BES)

Candidate profile

- Bachelor's degree or Master's degree in Mechanical/Aerospatial Engineering
- Ideally 5-8 years of relevant technical experience in an aerospace engineering field
- Excellent knowledge of fluid flow and thermodynamic concepts
- You quickly understand complex issues and have excellent skills in problem analysis and resolution
- Basic knowledge in the pneumatic field and technical interface disciplines such as installation of systems, avionics, power plant and others
- You know the component qualification (DO-160, Mil-Std 810)

- You know the assurance of the design process (ARP4754 A)
- Knowledge of functional modeling and system performance tests
- Candidate profile: comfortable with the technical aspects of engineering plus project management
- Good knowledge of MS Office tools
- Knowledge of system design tools such as engineering or simulation software
- Candidate profile: a recognized team player; work well in a team environment and create a collaborative relationship with other team members
- Candidate profile: self-motivated, dynamic and a good communicator
- Good interpersonal skills and good communication skills in both written and oral communication
- Candidate profile: ready to travel for short-term assignments
- Bilingualism (French and English) would be required

Work environment and benefits

- Bombardier develops, manufactures and services high-performance aircraft for private, corporate, government and military customers. Its employer profile emphasizes excellence and staff development.
- Bombardier emphasizes career development, autonomy and individual contributions to improving aviation products and services.

Applying and accessibility

- Please note: You don’t need all the skills, knowledge, and experience listed to contribute for this opportunities
- We are not looking for perfection, just passionate, committed individuals
- Bombardier is committed to providing equal access to professional opportunities and encourages qualified persons of any race, colour, sex, gender identity or expression, pregnancy, sexual orientation, marital status, age, except in cases provided by law, religion, political beliefs, language, ethnic or national origin, social condition, disability or the use of any means to address a disability to express an interest in providing services
- In accordance with this provision, Bombardier is committed to providing reasonable accommodation for persons with disabilities in terms of access to professional opportunities
- Requests for accommodation can be communicated to Bombardier and will be treated confidentially
- Opportunity Professional Engineering - Air/Tunnel Systems - Pool Assignment