

**POSITION TITLE:**

Project Engineer

**LOCATION:**

Calgary, Alberta, Canada

**SUMMARY OF POSITION:**

Airdyne has an immediate opening for a Project Engineer to provide sustainment support, liaison, design, and integration to both its developed core product line and new products.

The Project Engineer will perform duties to support design, integration, and sustainment of the SABIR system. The Team Member will support customers with design, integration, and sustainment of engineering solutions and represent the Engineering department through proactive participation and communication with other departments, vendors, and customers.

This position requires a “Team-Player” with excellent communication skills, able to exchange ideas and knowledge effectively with all Team members at Airdyne as well as customers. This position will require travel to support company or customer requirements, which may include installation, training and testing anywhere in the world.

This position reports to the Chief Engineer for all technical standards of design and airworthiness, and to the Operations Manager for all cost and schedule requirements.

**DUTIES AND RESPONSIBILITIES:**

- Ensures the plan, schedule, and all project tasks are coordinated and accomplished within scope, on schedule, and on budget.
- Ensures all resources are allocated per project technical, schedule, and cost requirements.
- Coordinates installation and testing activities conducted at customer sites and at Airdyne facilities.
- Support proposal bidding activities with Business Development and proposal team.
- Supports the design, development and substantiation of weight-optimized, compliant airworthy components and structural assemblies, which satisfy the contractual design criteria as well as manufacturability requirements.
- Ensures technical solutions are imaginative, thoroughly evaluated, practicable and consistent with organization objectives.
- Oversees technical staff as a mentor, and provides performance and technical guidance when necessary.
- Prepares and reviews project status reports, engineering, and airworthiness control documentation.
- Selects project team members in consultation with the Chief Engineer and Operations Manager.
- Coordinates technical interchanges with customers and external vendors.
- Acts as a liaison between Engineering and the Manufacturing and Programs Departments.
- Oversees project launches and convenes internal and external (customer) design reviews, as well as project steering and coordination meetings as necessary.

**REPORTING:**

- Communicates at all times professionally in person, over the phone, via email and other media.
- Reports technical capabilities, competence and compliance of engineering personnel to the Chief Engineer.
- Reports department schedule and cost performance data to the Operations Manager.
- Supports communication with the customer via the Programs department regarding all project status, schedules and costs.
- Advises the Operations Manager on project related Proposals, Non-Disclosure Agreements, Purchase orders and Invoices.
- Advises Programs and Business Development via the Operations Manager on engineering department resources and availability to support new engineering programs.

**REQUIRED QUALIFICATIONS:**

- Minimum education of Technologist's diploma in Aeronautical, Mechanical, Industrial, or Electrical Engineering or equivalent credentials.
- Min 10 – max 20 years' of direct Engineering design experience in the aerospace industry, with project ownership and leadership.
- Must be able to plan and organize time to work productively and efficiently while being able to adjust to multiple demands. Assumes ownership of tasks and drives to closure quickly and efficiently. Manages and tracks multiple priorities while maintaining a focus towards common project goals.
- Experienced in the supervision of direct reports to maintain schedule, cost, scope and discipline.
- Proficient in the use of project management principles and software to plan, oversee, and track tasks and personnel working on multiple projects in different locations.
- Experienced with the management of external vendors of design, manufacturing, and other specialized services.
- Experienced with design work starting at the conceptual level, maturing into modeling, validation with analysis, preparation of drawings, and continuing into manufacturing.
- Experienced in technical report writing, having excellent communication skills, fluency in English (spoken and written) and proficiency in MS Word, MS Excel, MS Teams.
- Experienced in the structural analysis of aircraft structural and mechanical components.
- Experience in preparation of structural, system and component level test plans for aerospace flight hardware, observing and supporting their conduct, and evaluation of their results.
- Appropriate Knowledge of regulatory (FAA and/or military) issues related to aircraft design and analysis and their impact on conformity and compliance is required (i.e., certification, qualification).



**DESIRED QUALIFICATIONS:**

- Bachelor or advanced degree in Aeronautical or Mechanical Engineering.
- Business management diploma, project management certificate, or equivalent credentials.
- 5 years' of experience with CAD Software (preferably SOLIDWORKS) with practical experience and understanding of drafting standards (ASME Y14.100).
- 5 years working experience with government (US Military or FAA) regulations and their impact on conformity and compliance (i.e., certification, qualification).
- Experience testing aerospace components/assemblies to validate conformance.
- Design experience with electronic, avionic, electromechanical, and mechanical systems.
- Experience with applicable manufacturing processes such as machining, forming, finishing, and rapid prototyping.
- Experience using inspection tooling (micrometers, surface plates, computerized component measurement machines, etc.).

**ELIGIBILITY OF APPLICANTS:**

Candidates for this position must conform to Canadian Controlled Goods Regulations. Candidates must be a Canadian citizen, lawful permanent resident of Canada.

Candidates for this position must have nothing in their background that precludes international travel and/or access to any military/Government installation.

**JOB TYPE:** Full time

**SALARY:** Based on qualifications

**BENEFITS:** Health, dental, vision care

**TRAVEL:** Less than 10%; international to USA, etc.

**REMOTE OR ONSITE:** Onsite

**RELOCATION:** Yes

**INTERVIEW TYPE:** Telephone and Company Site

**All applicants must include a cover letter and salary requirements to be considered.**

Cover letter must provide the following:

1. Introduction
2. Reason that individual would be the best fit for the position
3. Questions about the position.
4. Salary Requirements

Airdyne participates in E-Verify employment authorization.

Airdyne is compliant with Equal Opportunity for Workers with Disabilities. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, disability, age, genetic information, or protected veteran status.