

**POSITION TITLE:**

Liaison Engineer, Aero Structures

**LOCATION:**

Brooksville, Florida, USA

**SUMMARY OF POSITION:**

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

As a Liaison Engineer you will disposition non-conforming material as a Material Review Board (MRB) member by reviewing and analyzing drawings, specifications, and 'as built' hardware to support production in meeting schedule and cost requirements.

These duties include representing Engineering through proactive participation and communication with other engineering personnel and departments (e.g., Management, Quality Assurance, Production, Design, Supplier and Customers) to provide actions (e.g., hardware and drawing investigations, consultation with other Engineering Personnel, and answer Manufacturing Shop Queries / Questions) and results (e.g., drawing changes, process improvements).

This position requires a "Team-Player" with excellent communication skills and abilities to be able to communicate and interchange 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.

**DUTIES AND RESPONSIBILITIES:**

- Design, analyze and disposition corrective actions for structural non-conformances in a timely manner to restore design integrity.
- Rapidly design corrective actions based on equivalent strength/stiffness of surrounding structure while in a schedule-driven environment.
- Apply knowledge of aircraft design principles as contained in drawings, specifications, and design manuals.
- Assess and resolve production problems via direct design, analysis and corrective actions by dwg change or Engineering Orders.
- Independently develop technical solutions to a wide range of difficult problems with solutions that are imaginative, thorough, and practicable and consistent with organization objectives.
- Interact with inspectors, shop mechanics, other engineering disciplines, and management as required.
- Maintains a current and up-to-date knowledge of developments in aircraft structures in order to recommend innovations to improve the quality, economy, and effectiveness of company products
- Provides manufacturing engineering information by answering questions and requests.
- Government Regulations: Knowledge of government and Federal Aviation Authority (FAA) regulations and their impact on conformity and compliance (i.e., certification, qualification).
- Process Improvement: Knowledge of producibility and process improvement methodologies (e.g., statistical process control (SPC), Hardware Variability Control (HVC), 6-Sigma).



**REQUIRED QUALIFICATIONS:**

- Minimum education of a Bachelors' Degree in Mechanical Engineering or relevant discipline with credentials.
- Min 5 years' – Max 15 years' experience in Aerospace Liaison Engineering activities including designing, analyzing and dispositioning corrective actions for aerospace structural non-conformances to restore design integrity.
- 3 years' of experience with SolidWorks or 5 years in other CAD software with practical experience and understanding of drafting standards (ASME Y14.100). Create and check drawings.
- Experience in technical report writing and must have excellent communication skills, be fluent in English (spoken and written) and proficient in MS Word, MS Excel, MS Teams.
- Must be able to work effectively in a team environment.
- Demonstrated troubleshooting and failure investigation experience with electro- mechanical systems.
- Experience testing, measuring, and validating aerospace components/assemblies to validate conformance to type data.
- Experience in aerospace structural analysis using conventional hand calculations (fastener /material substitutions, tear-out stress, ect...)

**DESIRED QUALIFICATIONS:**

- Able to perform structural analysis of primary and secondary structure and systems.
- Experience with government and Federal Aviation Authority (FAA) regulations and their impact on conformity and compliance (i.e., certification, qualification).
- Experience evaluating manufacturing processes, designing and conducting research programs and applying knowledge of product design, fabrication, assembly, tooling, and materials; conferring with equipment vendors; soliciting observations from operators.
- Experience in producibility and process improvement methodologies (e.g., statistical process control (SPC), Hardware Variability Control (HVC), 6-Sigma).
- Delegated MRB Process Authority from an aerospace company.



**ELIGIBILITY OF APPLICANTS:**

Candidates for this position must conform to U.S. Government export regulations, including the International Traffic in Arms Regulations (ITAR). Candidates must be a U.S. citizen, lawful permanent resident of the U.S., protected individual as defined by 8 U.S.C. 1324b(a)(3).

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

**JOB TYPE:** Full time

**SALARY:** Based on qualifications

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

**TRAVEL:** Less than 10%; international to Canada, 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 Aerospace participates in E-Verify employment authorization.

Airdyne Aerospace is compliant with 52.222-35, Equal Opportunity for Veterans; and 52.222-36, 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.