



Job Title: Research and Development Engineer	Department/Shop: Operations
Reports To: TBD	Location: Missoula, MT
Supervisory Position: No	Travel Required: Minimal

Position Summary: This position will be responsible for solution development for current and future airtanker programs. This individual will work closely with multiple stakeholders to engineer and test all aspects of company products and equipment to ensure they meet operational and safety standards.

Essential Responsibilities:

- Perform research, design, develop, build systems, and applications for existing aircraft to maximize airworthiness.
- Design, plan, and create in-house solutions to maximize efficiency of existing and new aircraft.
- Work within a team to set and drive the development of future airtanker systems.
- Apply modern systems engineering principles to develop system architectures.
- Assess system performance using simulation models, failure analysis methods, etc.
- Collaborate with other departments to evaluate system performance to Company standards.
- Evaluate aircraft components and systems based on reliability, cost, weight, or safety.
- Generate engineering documentation in accordance with company procedures to develop and evaluate design data for future platforms.
- Able to make sense of complex, high quantity, and sometimes, contradictory information to effectively solve problems.
- Manage ambiguity; effectively operate even when things are not certain, or the way forward is not clear.

Additional Job Duties and Responsibilities:

- Use specialized skills (FEM analysis, fatigue analysis, and other high-level analysis techniques) to develop substantiation as required for the changes.
- Necessary to manage tight deadlines and change the course of the project if another solution is identified.

Knowledge, Skills, and Competencies:

- Knowledge of company policies and procedures.
- Knowledge of time management and organizational skills.
- Ability to think analytically and problem solve.
- Ability to communicate effectively with customers and co-workers in a courteous and professional manner.
- Ability to build partnerships and work collaboratively with others to meet shared objectives.
- Ability to take a broad view when approaching issues, using a global lens.

Required Qualifications:

Any combination equivalent to the following would provide the required knowledge, skills and abilities needed to qualify.

- High School Diploma or equivalent certificate.
- Commitment to the mission and vision of Neptune Aviation Services, Inc.



- Proficient with the Microsoft Office suite of products.
- Bachelor's degree in Aerospace/Aeronautical Engineering or similar technical degree with relevant work experience.
- Strong verbal and written English communication skills.
- Working knowledge in a broad range of engineering subjects including manufacturing and Federal Aviation Regulation Part 25.
- Experienced in development, implementation, and industry certification standards of complex systems, such as electrical power management, actuation, avionics, flight controls, and related software.
- Must be able to adapt approach and demeanor in real time to match shifting demands of different projects.
- Maintain a strategic mindset - seeing ahead to future possibilities and translating them into breakthrough strategies.

Desired Qualifications:

- Experience in commercial aviation is highly preferred.
- Innovative mindset to consistently introduce latest ideas to drive new ventures within the company.
- Proven experience with complex change management.
- Adaptable to changing environments.
- Must be self-motivated and able to work independently with minimal supervision.
- Commitment to personal growth and leadership development.

Physical Requirements and Working Conditions:

- Must be able to work onsite.
- Prolonged periods sitting at a desk and working on a computer and various office equipment.
- Ability to navigate various locations and settings of the company.
- Occasionally lift and/or move up to 25 pounds. May need to lift, carry, push, pull or otherwise move objects.
- Typically, in standard office environments, may need to occasionally be in hangar space. May be subject to loud noise and varied temperatures.

Additional Information:

This job description is not intended to be all – inclusive, and the employee will also perform other reasonably related duties as assigned by immediate supervisor/management to fulfill job function or as deemed necessary. Neptune Aviation Services Inc. reserves the right to revise or change position responsibilities as the need arises. This description does not establish a written or implied contract of employment.

Employee Signature: _____

Date: _____

Company Representative Signature: _____

Date: _____

Please email cover letter and resume to employment@neptuneaviation.com to be considered.