

Product Engineer - Repair and Development

Locations- New York, NY & Seattle, WA

Position – Full Time

Job Description

The engineer is responsible for understanding current repair shop capabilities and determine feasibility for development of new repair projects with a focus on electromechanical parts. This person will investigate existing hardware and alternate parts to develop repair procedures and specifications that will be approved by FAA Designated Engineering Representatives. The individual ensures design features are consistent with functional performance and safety requirements for the aircraft system installation.

As new repairs are developed, this person will ensure all hardware, fixtures, and equipment are available and aid in the training of repair personnel to perform ongoing work. Operational processes will be examined, created, and implemented for continued improvements and compliance to the Repair Station Manual.

Essential Responsibilities

- Investigate mechanical aircraft systems, mechanisms, and components in terms of function, failure modes, and operating conditions
- Provide technical support for procurement, manufacturing, receiving, repair, and certification of repairs
- Evaluate parts and assemblies using failed in-service equipment to determine repair feasibility
- Conduct and prepare detailed dimensional and electrical analysis of sample parts to support development of new repair
- Create CAD models and production drawings using ANSI/ASME Y14.5 GD&T standards
- Determine appropriate material and performance specifications based on analyses and testing
- Create technical documents and work with Designated Engineering Representatives for approval of repair specifications using customer and FAA guidelines and regulations
- Train technical personnel in the assembly and repair of new equipment and ensure required equipment is available
- Develop processes to ensure work is performed per FAA regulations and Repair Station Manual
- Provide reports as necessary
- Maintain electronic and hard-copy files according to operation manuals
- Create processes to improve efficiency and safe operations

Experience and Skills

- Five or more years of experience as a Repair and Development Engineer
- Familiarity with industry specifications, processes, and materials
- Proof of eligibility to work in the United States and a valid driver's license
- Proficient with SolidWorks, AutoCAD, and MS Office applications (Word, Excel, Outlook)

- Able to effectively communicate verbally and with writing
- Punctual, reliable, and works well with team members
- Detail oriented and highly organized
- Machine shop, repairman, or other hands-on experience is preferred along with a working knowledge of Federal Aviation Regulations pertaining to FAR Part 145 Repair Stations
- Experience with aircraft components and systems is strongly preferred
- Experience with Quantum Control or other ERP/inventory software is a plus
- Potential to manage a Repair Station including but not limited to project planning, customer interface, supplier interface and develop strategy to increase profit margins

Education

- Bachelor's degree in Engineering

Compensation and Benefits:

Compensation is commensurate with experience. Medical, Dental, Vision, Life, 401k and other optional insurance products. Paid Holidays, Vacation and Personal Leave accrue monthly. Flexible start times based on needs of department/company and gym reimbursement.

Jet Parts Engineering, Inc. (JPE) is an equal opportunity employer. In business since 1994, JPE is an aerospace engineering firm that has established a reputation for supplying high quality parts while providing exceptional service to its customers. For more information, please see our website at: www.jetpartsenineering.com.

Please use my name as a referral:

Steve Berdan

Jet Parts Engineering, Inc.

https://workforcenow.adp.com/jobs/apply/posting.html?client=jetparts&jobId=139196&lang=en_US&source=CC3