

Employee Job Description

United Dynamics, Inc. – Oklahoma City, OK

Project Engineer II - Mechanical

Company Background:

United Dynamics is a small business-certified Hub zone located in Shawnee, Oklahoma. United Dynamics started in 1993 by reverse engineering aerospace parts to help the USG with obsolete parts. This company has an engineering staff capable of designing and reverse engineering numerous types of aerospace parts and solutions. United Dynamics is approved for manufacturing over 168 NSNs. This includes in house machining capabilities, parts assembly, and testing. United Dynamics has an MRO shop and is approved to overhaul over 53 National Stock Numbers (NSNs). This company manufactures and overhauls aerospace parts for numerous aircraft including: KC-135, B-52, B1, B2, E3, A-10, F-15, F-16, KC-46, and C-130. United Dynamics history of sales is specifically Department of Defense (DOD) sales.

Mission: To support DOD aircraft & weapons systems by providing design, manufacturing, and MRO solutions

Vision: Technologies & Solutions yet to be imagined

Core Values: Integrity, Teamwork, Accountability, Passion

Job Description:

Design, develop and test all aspects of mechanical components, equipment and machinery. Troubleshoot and improve existing products such as motors, engines, brakes, instruments, controls and machines. Assist in all phases of fabrication, application, installation, and/or repair of mechanical products and Repair and Overhaul products. Design and develop a product or product family. Develop and implement tests for finished product functionality and recommend changes to product specifications as necessary.

This position involves safety sensitive job tasks or duties that could affect the safety and health of the employee or others, including but not limited to the operation of a motor vehicle, other vehicle, equipment, machinery or power tools. Repairing, maintaining or monitoring the performance or operation of any equipment, machinery or manufacturing process, the malfunction or disruption of which could result in injury or property damage. As set out more fully in the Drug and Alcohol Policy, employees in this position are subject to discipline up to and including termination of employment in the event of a positive drug test for marijuana components or metabolites, regardless of whether such employee has a valid Oklahoma medical marijuana license.

Requires a willingness to work flexibly outside normal working hours to meet deadlines, if necessary. Additionally, must be able to communicate in the English Language.

Position Summary

Responsibilities:

- Adhere to company core values
- Design, develop and test all aspects of mechanical components, equipment and machinery for assigned projects
- Evaluate existing designs; sample parts or other inputs
- Ensure product drawings and specifications are attainable once released to the production departments
- Apply knowledge of engineering principles to design, improve, and troubleshoot products such as motors, engines, instruments, controls and machines
- Create appropriate solid models and drawings per DRM
- Obtain and maintain necessary specifications to define projects
- Write assembly and functional analysis of complex devices
- Release designs
- Support the solicitation process (research, product compatibility, technical recommendations)
- Write ATP's, QTP's and SAR packages
- Take immediate action to correct out-of-tolerance problems as they arise
- Assist personnel to produce products conforming to or exceeding customer requirements
- Work to resolve problems throughout the organization
- Participate in Continuous Improvement projects
- Possess strong communication skills both written and verbal
- Maintain familiarity with a variety of the field's concepts, practices and procedures
- Skilled user of Microsoft Office Products (Excel, Word) and Design software
- Other duties as assigned

Reporting Relationship:

Reports directly to the Engineering Manager

Job Requirements:

Education and Training:

- BS in an Engineering Discipline, preferably Mechanical, or comparable experience

Technical Requirements:

- 7-10 years of experience in addition to a BS Degree in Engineering
- 11-20 years of experience in addition to an Associate's Degree in Engineering
- 20+ years of experience in addition to a High School Diploma