



Title: Mechanical Engineer

Department: Engineering

Reports To: Engineering Manager

Job Type: Full-Time

About the Company:

Knight Aerospace exists at the exciting intersection of aerospace, military, and medical technology. Our mission is to modernize aerospace transportation to be modular, adaptable, and customizable in an ever-changing world. We have established ourselves as the industry leader in providing quality and reliable “Quick-Change/Roll-On Roll-Off” modules and pallets to enhance the functionality of various cargo aircraft. These products allow our customers to quickly adapt their aircrafts to fit their current needs. For example, our newest product is a Aeromedical Biocontainment Module that allows for isolated medical transport units to be installed into a cargo aircraft in 45 min. Especially with the onset of COVID19, demand in the market has proven the value of our products and now we are looking to scale up. As we grow, we will continue to root our culture in these core values:

- **Caring:** We put our hearts into all we do and into every relationship. Every employee and customer relationship is essential to the success of our business.
- **Dynamic:** Speed, energy, innovation, and creativity allow us to create solutions for an uncertain future.
- **Excellence:** Quality, best practices and procedures enable the best people to make the best products.
- **Dedication:** Passion, loyalty, and willingness to step-up creates a dynamic work environment and united team.
- **Stewardship:** We manage our resources as if they were ours personally to build more thoughtful and sustainable practices.

Position Summary: We are seeking candidates for the position of Mechanical Engineer. The Mechanical Engineer is responsible for the development and design of new products and improvements of existing product. The goal is to efficiently design mechanical components and systems that are innovative and of high quality.

Duties and Responsibilities

- Perform full lifecycle of product development
- Design systems and components that meet the needs and requirements of the customer
- Produce outline design, and final design drawings
- Identify, formulate, and produce effective solutions to emerging problems
- Alter and modify design to meet requirements and to eliminate/reduce manufacturing time
- Prepare product drawing and technical documentation
- Drive budget, quality, and schedule deliverables for individual and team tasks



- Reporting Departments/Processes:
 - All program managers
 - All corporate production programs.
- High Integration Areas:
 - Engineering
 - Production
 - Quality

General Expectations

- Proficient with SolidWorks and Solidworks PDM
- Proficient with Solidworks structural members, 3D mechanical routing, and large assemblies
- Will take initiative and find innovative ways of solving complex design issues
- Has a working knowledge of FAA standards
- Familiar with Geometric Dimensioning and Tolerancing
- Will be team oriented
- Can take on a design problem and create and design and drawings with minimal guidance.
- Will provide training as needed to other designers
- Will review design and drawing documentation of other designers
- Liaison with planning, production, and quality
- Reflects the Company's values in all communications and activities
- Ability to effectively communicate orally and in written form, internally and externally

Qualifications

- Bachelor's Degree in Engineering
- High school diploma/GED required
- Minimum 0-3 years of Mechanical Design/ Engineering experience
- Valid driver's license
- Strong cognitive skills
- Must be able to sit, stand, kneel or bend for long periods of time

Work Environment Requirements:

- International and domestic travel in support of product designs, implementations, or ongoing service.
- Able to sit or stand for long periods of time

Work Conditions:

- This is a Non- Exempt, Full-Time Position. Warehouse and office environment
- KA is located at 3606 SW 36th Street, Suite 101, San Antonio, TX 78226
- Employer paid medical, dental and vision
- KA is an equal opportunity employer



We are located at 3606 Southwest 36th Street, Suite 101 and are an equal opportunity employer. We provide company paid medical dental, vision, life, ADD&D and long-term disability insurance. We also subsidize gym memberships.

If you want the opportunity to be part of a highly innovative team in a growing company with global reach, reach out and tell us why. Please send your resume to ngarcia@knightaerospace.com