



**Title:** Senior Mechanical Designer/Drafter

**Department:** Engineering

**Reports To:** Director of Engineering

**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. Each employee and each customer relationship is essential to the success of our business.
- **Dynamic:** Passion, energy, and drive for success allow us to adapt and create solutions. We balance legacy talent with curious perspective.
- **Excellence:** Because we are committed to delivering the highest quality products, we strive for the best practices and best procedures to enable the best people to make the best products.
- **Dedication:** Loyalty and willingness to step-up creates a dynamic work environment and a united team.
- **Stewardship:** We manage our resources as if they were ours personally. We are proud of our products, company, and reputation.

**Position Summary:** We are seeking candidates for the position of Senior Mechanical Designer/Drafter. The Senior Mechanical Designer/Drafter 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. The Senior Mechanical Designer/Drafter will represent Knight Aerospace (KA) and its values and will ensure that the expectations of the Company’s customers are exceeded by performing the following:

**Duties and Responsibilities:**

- Perform full lifecycle of product development
- Design systems and components that meet the needs and requirements of the customer
- Produce concept and detail design models and drawings
- Identify, formulate, and produce effective solutions to emerging problems with minimal guidance



- Alter and modify design to meet requirements and eliminate/reduce manufacturing time
- Prepare product drawing and technical documentation
- Drive budget, quality, and schedule deliverables for individual and team tasks

### **General Expectations:**

- Has a high proficiency with SolidWorks and Solidworks PDM
- High proficiency 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
- Has a working knowledge of Geometric Dimensioning and Tolerancing
- Will be team oriented and take on a leadership role in the group
- 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
- Able to sit or stand for long periods of time
- Ability to effectively communicate orally and in written form, internally and externally

### **Qualifications:**

- High school diploma/GED required
- Minimum 6-8 years of Mechanical Design/ Drafting experience
- Strong cognitive skills
- Preferred: Associate Degree in Drafting & Design

### **Work Conditions**

- This is a Non- Exempt, Full-Time Position. Warehouse and office environment
- KA is located at 3606 SW 36<sup>th</sup> 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 36<sup>th</sup> 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](mailto:ngarcia@knightaerospace.com)