



**Title:** Electrical Engineer

**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. 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.

### **Job Summary:**

We are seeking candidates for the position of Electrical Engineer. The Electrical Engineer is responsible for the development and implementation of the electrical engineering practice within a multidisciplinary Knight Aerospace engineering program. The goal is to efficiently design electrical components and systems that are safe, innovative, and of high quality.

The Company’s products consist primarily of systems used for the transportation of people and equipment in cargo aircraft throughout the world. The Electrical Engineer will represent the Company and its values and will ensure that the expectations of the Company’s customers are exceeded by performing the following duties:

### **Duties and Responsibilities:**

- Develops electrical system specifications, designs, and electrical-mechanical interfaces
- Identify, formulate, and produce effective solutions to emerging problems with minimal guidance
- Integrate products with aircraft electrical systems
- Develop connector and circuit breaker panels
- Prepare product drawing and technical documentation
- Establish budget, quality, and schedule deliverables for individual
- Support design of projects and apply current sustainability processes
- Promotes learning from successes and problems within the group and across the corporation
- Develops energy audits and protocols



**General Expectations:**

- Has a high proficiency operating Auto Cad/Draft Sight, SolidWorks, and Solidworks PDM
- High proficiency with Solidworks electrical routing, and large assemblies/ systems
- High aptitude in reading and creating block diagrams, schematics, and wiring diagrams
- Takes the initiative to find innovative ways of solving complex design issues
- Has a working knowledge of UL, FAA, and Military standards
- Will be team oriented and take on a leadership role in the group
- 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:**

- Bachelor of Science Degree Electrical Engineering
- Minimum of 5 years of engineering experience in the aerospace industry
- Sound knowledge of the application of engineering principles
- Must have valid driver's license

**Work Conditions:**

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