



**Rantec Power Systems Inc.  
Los Osos, California  
Job Description**

**Title: Intern, Mechanical Engineering**

**Date: August 2024**

**Department: Engineering**

**FLSA Status: Non-Exempt**

**Reports To: Mechanical Engineering Manager**

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**Scope**

Gain valuable hands-on experience while being a part of a team that fosters innovation, employee involvement. Perform task and project level assignments including design/development, analysis, and manufacturing support of power supply development for defense and aerospace applications.

**Essential Duties and Responsibilities**

- Effectively test and troubleshoot existing designs down to the component level as necessary
- Track and monitor failure modes
- Develop and implement test procedures
- Provide feedback on design and test improvements
- Support product improvement through the analysis of existing products and the incorporation of design improvements
- Incorporate product changes originating from changes in customer specifications, changes in components or manufacturing requirements, and to address obsolescence issues
- Develop tooling and fixtures to support testing or manufacturing improvements
- Create engineering drawings using SolidWorks
- Learn and use Rantec MRP (Exact Alliance)
- Assist developing product performance and compliance testing. Support product realization. Participate in design reviews, scheduling meetings and other engineering work groups as needed
- Ability to work flexible hours and/or different shifts, as required
- Ability to work in a safe professional manner adhering to all regulatory requirements including OSHA, EPA, State and Federal Regulations
- As the Company's success relies on the productivity of our team and adherence to customer product schedules, an essential function of this position is the ability to arrive to work on-time, and work each day, as scheduled
- Perform other duties as assigned

**Qualification Requirements:**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

This position requires access to our export-controlled commodities, technical data, technology, and services. These items are restricted under the International Traffic in Arms Regulations (ITAR) to U.S. Citizens, Lawful Permanent Residents of the U.S. and properly licensed foreign persons. Therefore, employment is contingent on compliance with ITAR regulations and successfully obtaining and maintaining the necessary export authorization license from the U.S. Department of Commerce's Bureau of Industry and Security, U.S. Department of State's Office of Defense Trade Controls, or other applicable government agency.

## **Education and Experience**

- Pursuing a degree in Mechanical/Aerospace Engineering
- 1 year of previous Mechanical Engineering experience preferred
- SolidWorks
- Microsoft: Windows, Excel, Word, Outlook, SharePoint, Teams, PowerPoint
- Attention to detail
- Failure analysis

## **Physical Requirements**

The physical demands described here are representative of those to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Work within a factory environment, including moderate noise and chemical odors
- Moving between sitting, standing, and walking
- Consistently lifting and handling 10 pounds and periodically lifting 25 pounds.
- Specific vision abilities required by this job close vision, distance vision, peripheral vision, depth perception and the ability to focus, with correction.

**Rantec is proud to be an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or status as a protected veteran. Rantec will consider reasonable accommodation to its policies for employees and applicants due to sincerely held religious belief.**