



Rantec Power Systems Inc.
Los Osos, California

Job Description

Title: Electrical Sustaining Engineer L1

Date: June 2026

Department: Engineering

FLSA Status: Exempt

Reports To: Technical Director

Scope

As an Electrical Sustaining Engineer, you will serve as the primary technical liaison for resolving production issues affecting power supplies. You are responsible for identifying and implementing engineering solutions for existing designs in response to component obsolescence and evolving technical requirements. Collaborating with cross-functional teams, you will ensure timely issue resolution while maintaining continuous product delivery to customers.

Essential Duties and Responsibilities, including but, are not limited to;

- Proposal/Quoting Activities:
 - Provides support evaluating Bill of Materials for existing products.
- Sustaining/Production Activities
 - Analyze legacy designs and provide hands on support of troubleshooting production hardware.
 - Analyze legacy designs to support root cause failures and corrective actions on Customer returned units.
 - Analyze, update, and carry out activities associated with component Diminishing Manufacturing Sources (DMS) and obsolescence.
 - Work with Test team to maintain and update automated test environment.
 - Use of MRP and configuration management tools and updating product documentation to reflect design changes.
 - Providing electrical engineering support, particularly for component specs and selection, for power supply design in support of failure analysis and mitigating obsolescence.
- Development Activities:
 - Support testing and documentation of updated designs.
 - Finding replacements for obsolete electrical components and updating current designs.
 - Evaluate testing requirements for new designs.
 - Provide technical support to Test engineering on Testing requirements for new designs.
- Other:
 - Evaluate Part Change Notice's from manufacturers, determine potential impact to design, and coordinate actions resulting from evaluation.
 - 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

- Bachelor's degree from an accredited college in Electrical Engineering.
- 0-2 years applicable engineering experience preferred. Masters Degrees with emphasis in power electronics can substitute for years of experience.
- Required:
 - Extensive knowledge of MS Word, Excel, PowerPoint, Access.
 - Ability to troubleshoot electronics issues using scientific principles.
- Preferred:
 - Solid experience with specifications for, or failure analysis of high-reliability and/or commercial Electrical/Electronic piece parts.
 - Power switching techniques, Control systems, Thermal analysis, Component modeling experience preferred.
 - Experience with electronics laboratory equipment.
 - Demonstrated ability to resolve complex issues.
 - Possess good oral and written communication skills; and be self-motivated in performance of duties with limited supervision.
 - Familiarity with tools used in managing obsolescence [i.e. Silicon Expert] to identify, forecast, and resolve obsolete component issues.
 - Excellent interpersonal skills and the ability to thrive in a team environment are required.
 - Desirable to have Printed Circuit Board (PCB) design and manufacturing experience.

Physical Demands

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.

- While performing the duties of this job, the employee needs to be able to sit, stand and move about the inside of the facility to manage the workforce.
- Operates a computer and other office productivity machinery, such as; calculator, copy machine, printers, etc.
- Lifting and handling of boxes and/or materials up to a maximum of 50 pounds occasionally, and 25 pounds on a regular basis.
- Specific vision abilities required by this job; close vision, distance vision, peripheral vision, depth perception, and the ability to adjust focus.

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.