

Job Title: Sr. Specialist, Electrical Engineering

Business Unit: Space Vector

Location: Chatsworth, CA/Simi Valley, CA

Clearance Requirement: Must be eligible to obtain a U.S. Government Security Clearance

Job Type: Full-Time

About Fisica Inc.

Fisica, Inc. is a premier manufacturer of advanced defense products, specializing in the design and production of airborne and ground-based antennas, as well as cutting-edge electromagnetic systems and simulators. Headquartered in San Leandro, California, with additional operations in Simi Valley, Fisica plays a vital role as a trusted partner to leading defense primes and the U.S. Department of Defense.

Our company operates as - ATI, Randtron, Datron and Space Vector—each bringing deep expertise and innovation to the defense sector. Led by a seasoned management team, Fisica is committed to excellence in engineering, manufacturing, and mission-critical solutions that enhance national security.

At Fisica, we foster a strong, collaborative work culture that values individual contributions and empowers our employees. Our commitment to innovation, integrity, and teamwork makes us a leader in the defense industry and an exceptional place to build a career.

Overall Summary

We are seeking a detail-oriented, experienced and motivated **Senior Electrical Engineer** to join our Engineering team. You will be working closely with various teams throughout all phases of product development and testing for multiple key aerospace programs. In this role, you will be responsible for circuit design, analysis, board layout, hardware debugging, and testing. The main products will be Battery Management Systems (BMS) and related test equipment. Work is to be performed with general oversight and may require mentorship of junior level engineers. May manage large projects or processes that are both inside and outside of the immediate job area.

Key Responsibilities

- Evaluate and select electrical and electronic components based on technical specifications and project requirements.
- Printed Circuit Board (PCB) Schematic Design, Layout, and Troubleshooting
- Work closely with disciplines such as systems, mechanical design, supply chain, to ensure PCB can be built and meets requirements
- Provide Analysis for Power/Signal Integrity, Mixed Signal, ADCs and DACs
- Develop Bills of Materials (BOMs) and Part Lists for accuracy and compliance
- Work with Digital/FPGA team to implement proper floor planning
- Interface with component databases, manufacturers, and distributors for sourcing and obsolescence data.
- Use ERP systems (preferably **Deltek Costpoint**) to manage part data and component procurement.
- Participate in Electrical/ Electronic/ Electromechanical (EEE) Parts Engineering technical assignments related to hardware manufacturing and testing. Assignments will include technical evaluation and support of manufacturing issues/concerns
- Support engineering change orders (ECOs) and related documentation updates.
- Ensure all selected components comply with regulatory standards (RoHS, ITAR, etc.)

Communication

Communicates within and outside of own function or business area and has responsibility for communicating with parties external to the organization (e.g., customers, vendors, etc.) when necessary. Explains, interprets, and gains cooperation on policies, procedures and practices.

Education & Experience

- Bachelor's degree in electrical engineering, Electronics Engineering Technology, or related technical discipline.
- 7+ years of experience in a Electrical engineering or electronics product support role.
- Strong working knowledge of electrical components, including passive, active, and electromechanical parts, High Voltage parts.
- Experience with Altium/Cadence/MentorGraphics – **Altium experience preferred**
- Knowledge of FPGAs (VHDL/Verilog) and Power Regulation (Switching Regulators/Decoupling Capacitors)
- Experience working with Vendors on the Manufacturing of PCBs
- Demonstrated experience in BOM and part list management.
- Proficiency in using ERP/MRP systems — **Costpoint experience preferred.**
- Solid understanding of aerospace or defense industry standards and reliability practices.
- In-Office Work Required

Preferred Qualifications:

- Experience supporting government or defense programs.
- Battery Management Experience
- Experience with Power Integrity Analysis Tools and Signal Integrity Analysis Tools
- Knowledge of ITAR/EAR compliance regulations.
- Experience with ADCs/DACs
- Familiarity with PLM tools (e.g., Arena, Windchill, Agile).
- Strong analytical, communication, and documentation skills.

If you have a passion for aerospace technology and want to contribute to cutting-edge projects, we encourage you to apply!

In compliance with pay transparency requirements, the salary range for this role \$104,500 - \$193,500. This is not a guarantee of compensation or salary, as the final offer amount may vary based on factors including but not limited to experience and geographic location. Fisica Inc also offers a variety of benefits, including health and disability insurance, 401(k) match, flexible spending accounts, EAP, education assistance, parental leave, paid time off, and company-paid holidays. The specific programs and options available to an employee may vary depending on the date of hire, and schedule type.

EEO Statement

Fisica is proud to be an Equal Opportunity Employer. Fisica is committed to treating all employees and applicants for employment with respect and dignity and maintaining a workplace that is free from unlawful discrimination. All applicants will be considered for employment without regard to race, color, religion, age, national origin, ancestry, ethnicity, gender (including pregnancy, childbirth, breastfeeding or other related medical conditions), gender identity, gender expression, sexual orientation, marital status, military and veteran status, disability, genetic information, citizenship status, characteristic or membership in any other group protected by federal, state or local laws. Fisica maintains a drug-free workplace and performs pre-employment substance abuse testing and background checks, where permitted by law.

Fisica is an E-Verify Employer. Please [click here](#) for the E-Verify Poster in English or Spanish. For information regarding your Right To Work, please click here for [English](#) or [Spanish](#).

9/80: Employees work 9 out of every 14 days – totaling 80 hours worked – and have every other Friday off.