



**Title:** Field Engineer  
**Reports to:** Field Services Supervisor  
**Location:** San Antonio, TX  
**Job Type:** Full-time, Salaried Position  
**Compensation:** \$50,000 - \$65,000

High Sierra Electronics is the leading expert in water and environmental monitoring systems. By monitoring floodways, roads, dams, and real time weather events, we can arm our customers with accurate data to confidently manage their environments. We design, install, maintain, and troubleshoot Early Warning Systems that enable our customers to maintain safety and reliability in critical areas.

**JOB SUMMARY:** Deploy and manage turnkey Hydrometeorologic Early Warning Systems from conceptual design to installation, involving but not limited to maintenance, integration, installation, and troubleshooting.

#### **DUTIES AND RESPONSIBILITIES**

- Maintain, monitor and repair EWS (Early Warning Systems)
- Install or rehab vendor specific EWS systems, applying relevant protocols and options
- Design and construct custom configurations appropriate for unique hydrologic/ geomorphic site limitations
- Analyze consistency, completeness, and accuracy of collected data to ensure system reliability
- Perform detailed data analysis using relevant sensor data, logs, and reports
- Delegate to other field technicians for assistance in above tasks as needed and assign work activities to maximize resource efficiency
- Perform out of state installations and maintenance requiring extended travel time
- Assist in development of system designs, configurations, and new products
- Prioritize unscheduled service calls
- Work directly with customers in an account management role to provide equipment and overall system recommendations for customers
- Determine appropriate sensor upgrades for site maintenance and reliability
- Select locations most suitable for new installations
- Configure appropriate system designs based on customer requirements
- Create reports for individual inspection rounds, end of year summaries and installations
- Program data loggers with customer specific requirements and develop data logger code to communicate with various sensor inputs
- Troubleshoot various systems via onsite field work or customer phone support
- Generate pricing for advanced early warning system components and installation

#### **KNOWLEDGE, SKILLS AND ABILITIES:**

- Operation and proper use of hand and machine tools
- Operation and proper use of digital multi-meters, oscilloscope and other electrical diagnostic tools
- Detailed understanding of DC circuits and basic circuitry analysis calculations

- Construction skills, including masonry, trenching, conduit, and structure erection preferred
- Ability to prioritize and delegate tasks
- Attention to quality and must be detail oriented
- Ability to troubleshoot problems (in less than perfect environmental conditions) related to RF, electronics, poor hardware configurations, telemetry, and various meteorological sensors
- Working understanding of ALERT/ALERT2 principles or other telemetry related background
- Background in computers, customer support, training, marketing, and Public Relations, either through education or on-the-job experience
- Understanding of hydrological and meteorological engineering principles
- Advanced knowledge of electronics and radio technology
- Ability to perform physically demanding tasks in adverse weather conditions
- Familiarity with Microsoft® Windows® and the following computer software: Excel, Word, AutoCAD, and other software from various vendors.

**CREDENTIALS AND EXPERIENCE:**

- Bachelor’s Degree, preferably in physical science, engineering, or hydrology; or equivalent combination of education and previous work experience
- Experience with RF Environments, dataloggers, cellular/satellite telemetry, or other data collection platforms is preferred but not required
- Good driving skills and driving record. Insurable driver with valid driver’s license

Compensation is based upon experience and qualifications.

**Benefits available to full time employees include:** Medical, dental, vision, 401k and paid time off. If you are interested in applying for this position, please e-mail or mail your cover letter and resume using the information provided below. When submitting your resume, please reference the job title as it is described here. Internal applicants should submit a letter of interest to Human Resources.

**No phone calls or faxes please.**

**E-mail**

[hr@highsierraelectronics.com](mailto:hr@highsierraelectronics.com)

**Mail:**

Attn: Human Resources  
 High Sierra Electronics, Inc.  
 155 Spring Hill Drive, Suite 106,  
 Grass Valley, CA 95945

**Equal Opportunity Employer**

High Sierra Electronics Incorporated is an Equal Opportunity Employer. It is the policy of High Sierra Electronics to provide a fair and equal employment opportunity to all persons regardless of age, color, national origin, citizenship status, physical or mental disability, race, religion, creed, gender, sex, sexual orientation, gender identity and/or expression, genetic information, marital status, status with regard to public assistance, veteran status, or any other characteristic protected by federal, state or local law. High Sierra Electronics’ commitment to equal opportunity is applied through every aspect of the employment relationship, including, but not limited to, recruitment, selection, placement, training, compensation, promotion, transfer, termination, and all other matters of employment.