

## **SENIOR ELECTRICAL ENGINEER**

### **Purpose:**

The Senior Electrical Engineer is responsible for planning, performing, and managing electrical designs, studies, and other related services for a variety of customers including industrial manufacturing facilities, commercial buildings, generating powerhouses, and public utilities.

### **Responsibilities:**

- Perform a variety of assignments in the design of electrical systems for government and industrial facilities.
- Design of electrical distribution systems.
- Perform building lighting and load calculations.
- Prepare and develop designs, calculations, sketches, diagrams, schematic drawings, and final working drawings.
- Evaluate and recommend equipment in order to assist in the selection of preferred options to meet our customers' needs.
- Provide engineering support to ensure that construction, installation, and operational testing conform to functional specifications and requirements.
- Generate required documentation including, but not limited to, functional specifications (FS) to meet project requirements.
- Perform design, development and quality control activities to ensure the project meets the customer needs and specifications.
- Provide support to sales/estimators to include specification reviews, assisting with writing bids, responding to RFP's, etc.
- Spearhead the project management process by walking jobs, communicating with customers regarding change orders, working with the Superintendent regarding job specific staffing needs, etc.
- Assist in the training and mentorship of junior-level engineers and other staff members.
- Work with the Purchasing Department in order to become familiar with organization and/or customer preferred parts and supplies.
- Follow and support the company safety and quality control programs and procedures.
- Perform other tasks, projects, assignments as required by the position.

### **Requirements:**

- B.S.E.E., with interest in electrical power systems, from an accredited program.
- At least five years of practical, senior-level, on-the-job electrical engineering experience, performing electrical engineer duties including development of concept design, preparation of construction documents, and construction inspections is desired.
- Medium voltage, industrial experience.
- Ability to communicate in a clear, accurate and professional manner, both in written and verbal format, and to represent the organization in terms of project management, customer service and leadership.

- Proven, successful leadership/management experience.
- Valid driver's license, with good driving record.
- Experience with CADD/BIM design, Electrical Lighting Calculation programs, and Excel.
- Ability to work in the US, a valid driver's license, strong desire to work in the Willamette Valley and the ability to pass a criminal background check required.
- The successful candidate must have a strong interest in power system design and analysis, good verbal communication skills and strong writing skills.
- Successful completion of FE or PE exam strongly preferred.

**Other Information:**

**Physical Demands - Jobsite**

Most of the work is performed in a normal office setting, requiring the employee to sit for long periods of time, frequently talk and/or hear both in person and over the phone, and to use hands to handle tools and for fine motor coordination such as computer work. Some of the duties require the employee to, drive to and from the jobsite. A portion of the employee's tasks requires extensive walking around the jobsite, occasionally navigating uneven surfaces. The employee is occasionally required to reach with hands and arms. The employee is occasionally required to climb or balance, stoop, kneel, crouch and/or crawl. The employee must also occasionally lift and/or move up to 50 pounds.

**Work Environment - Jobsite**

While the majority of time is spent in an office setting, the employee is sometimes required to inspect the project and may be exposed to normal hazards associated with construction and various weather conditions. The office environment is low-risk but the jobsite visits involves moderate risks, which requires safety precautions. The noise level in the field may range from quiet to loud and the proper use of Personnel Protective Equipment (PPE) will be required on most, if not all, jobsites.

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The statements contained in this job description are not necessarily all inclusive; additional duties may be assigned and requirements may vary from time to time.

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*EEO/AA Employer of Minorities, Females, Protected Veterans and Qualified Individuals with Disabilities*