

JOB DESCRIPTION

Electrical Engineer

Purpose:

The Electrical Engineer is responsible for designing, repairing, maintaining, modernizing, and delivering reliable, stable sources of power to customers ranging from industrial manufacturing facilities to utilities. The goal is the efficient use of energy to create and distribute power.

Responsibilities:

- Design of electrical distribution systems.
- Perform a variety of assignments in the design of electrical systems for government and industrial facilities.
- 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.
- Assist in the project management process by walking jobs, communicating with customers regarding change orders, working with the Superintendent regarding job specific staffing needs, etc.
- 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.
- Perform other functions as required/requested.

Skills and Educational Requirements:

- B.S.E.E., with interest in electrical power systems, from an accredited program.
- Some practical, on-the-job electrical engineering intern experience, performing electrical engineer duties including development of concept design, preparation of construction documents, and construction inspections is desired.

- 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 and customer service.
- Valid driver's license, with good driving record.
- Experience or capable to learn the basics of CADD/BIM design, Electrical Lighting Calculation programs, and Excel.
- Ability to work in the US and desire to work in the Willamette required.
- Successful completion of FE or PE exam a plus.
- Consulting experience preferred, but not required.

Characteristics Requirements:

- Must work well in a team environment
- Must demonstrate personal initiative, motivation, and strong problem solving skills
- Able to excel with minimum supervision
- Familiarity with the Pacific Northwest
- A strong interest in power system design and analysis
- Desire to learn and continue to develop knowledge and skills
- Willingness to travel as needed to support walk-through, installation, and startup and commissioning activities of industrial systems
- Friendly, professional demeanor

Environment:

The majority of the work is performed in a professional office setting, in Springfield, Oregon and a portion is performed in various customers' large industrial manufacturing facilities, or power generation plants. While on the jobsite, there will be exposure to noise, chemicals, the elements, uneven surfaces and other hazardous situations.

Normal hours are 8:00am to 5:00pm, Monday through Friday. Additional time will be required during heavy workloads, emergency situations, or to meet deadlines.

Some travel will be required.

Physical Demands:

Both jobsite and office work require the ability to communicate verbally, the ability to type, good manual dexterity, and visual acuity.

Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

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.

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