



Job Title: Electrical Engineer (P.E.)

Job Type: Full-time

Job Location: Clarksville, TN

Job Description:

We are seeking an experienced Electrical Engineer with a Professional Engineer License to provide designing technical solutions in highly complicated chemical plant construction projects. You will lead electrical design projects and review previously developed drawings to ensure the quality and compliance of electrical systems in construction, installation, and maintenance projects. In this role, you will share your expertise while designing technical solutions on the facilities and equipment for the chemical plant. Your work involves the technical development of schematic, design, construction documents, specifications and construction quality check.

Your duties will include:

- Create and edit designs, specifications, sketches and diagrams of electrical systems.
- Performs and prepares engineering calculations including energy, load, photometrics, voltage drops, etc.
- Construct well-coordinated, technically sound construction documents that are cost effective, clear, efficient and constructible.
- Research non-routine code compliance issues and makes determinations of code interpretations consistent with local administrative authorities.
- Performs field observations of electrical systems, attends meetings, and makes recommendations for design systems.
- Construction administration including review of shop drawings, response to RFI's, and coordination with contractors, design team, building officials, owner, etc. through the construction phase of the building project.
- Meets client schedules and internal design and construction administration time budgets.
- Produces effective and accurate written documents, reports, and technical memorandums.



- Communicates and coordinates with architects, owners, other engineering disciplines, vendors, consultants, etc. throughout the design phases of the building project.
- Ensuring installations meet local and international standards such as NEC, IEC, or other relevant codes.
- Identifying non-conformities or defects in electrical and instrumentation systems and recommending corrective actions.
- Overseeing factory acceptance testing (FAT) and site acceptance testing (SAT) for equipment and systems.
- Supporting pre-commissioning and commissioning activities to validate system readiness.

Your qualifications are as follows:

- Bachelor's degree in Electrical Engineering, Instrument, or a related field.
- More than 8 years of experience in similar fields.
- A valid Professional Engineer license.
- Expert level of experience with AutoCAD and Revit.
- Ability to interpret technical documents such as P&IDs, schematics, and wiring diagrams.

Your benefits are as follows:

- Medical, Dental, and Vision insurance
- 401K matching
- PTO
- Paid holiday