

Overview

ESI, an employee-owned company, is seeking a talented **Junior Electrical Engineer** to join our team in Kennesaw, Georgia. This position requires a Bachelor of Science in Electrical Engineering and a minimum of two years of experience in the design of electrical power systems.

Junior Electrical Engineer

Responsibilities:

- Coordinate electrical engineering activities for steam and power generation projects
- Develop electrical specifications for switchgear, MCCs, transformers, VFDs, and other electrical equipment as required
- Develop bid packages for electrical contractors and review submitted bids
- Review vendor quotations for electrical equipment to verify compliance with project requirements
- Develop and maintain Revit and AutoCAD drawings, including single line diagrams, cabling plans, wiring diagrams, equipment location plans, lighting layouts, grounding plans, lightning protection plans, electrical underground drawings, and cable tray layouts
- Coordinate electrical drawings with other project disciplines to identify and resolve design conflicts
- Review drawings for accuracy, consistency, constructability, and compliance with project standards
- Use Navisworks Manage for model review, clash detection, and multidisciplinary coordination

Minimum Requirements:

- Bachelor of Science in Electrical Engineering
- Interest in the design of electrical power systems for steam and power generation facilities
- Familiarity with the National Electrical Code (NEC) and applicable electrical design standards
- Ability to read electrical single line diagrams, wiring diagrams, equipment layouts, and other typical construction drawings
- Strong attention to detail and ability to maintain drawing accuracy
- Ability to coordinate with other engineers, designers, project managers, vendors, and construction teams
- Ability to work independently, manage multiple assignments, and meet project deadlines

Preferred Requirements:

- Experience with power boilers, steam turbines, combustion turbines, and heat recovery steam generators
- Field experience including construction, commissioning, and/or equipment troubleshooting
- Engineer in Training (EIT) certification
- Experience using AutoCAD
- Experience using Revit

Work Arrangement:

- Travel to the project construction site as needed throughout the duration of the project (approximately 25% travel)

Company



ESI Inc. of Tennessee is a design engineering and construction firm that specializes in steam and power generation facilities. We are the **Steam & Power SPECIAL FORCES®** providing clients with innovative, cost-effective, and environmentally-friendly solutions. For additional information, please visit our website at www.esitenn.com.

ESI offers competitive salaries, a complete benefits package, a hybrid work model, and only works a half-day on Fridays.

ESI is an equal opportunity employer. Background screen and substance abuse testing are a condition of employment. ESI does not sponsor employees for immigration benefits or immigration status.