



Job Title: Senior Electrical Engineer, PE  
Reports To: Department Manager  
FLSA Status: Exempt

**Summary:** The Electrical Engineering group is seeking senior level electrical engineer with a diverse background in heavy industry and utilities, including extensive experience leading projects involving the design of electrical substations.

**Responsibilities:**

- Perform duties as a Lead Engineer on assigned projects.
  - Responsible for sizing and specifying medium and low voltage electrical distribution equipment
  - Responsible for sizing cable tray, conduit and power cable
  - Responsible for leading a design team to develop the drawings necessary for an electrical construction package
- Provide Technical Lead experience in designing utility high voltage substation and transmission line projects which are regulatory compliant and meet all safety standards, up through 500KV.
  - Single Line Development
  - Develop Substation Equipment Specifications
  - Develop Relay Protection Schemes and Programming
  - Relay Panel Wiring Diagram Development
  - Programming of SCADA Systems
  - Perform site commissioning activities
    - Commissioning plan development
    - Site equipment and construction inspections
    - Protection relay testing and commissioning
    - SCADA systems testing and commissioning
    - Commissioning report generation
- Develop Arc Flash Analysis, Load Flow calculations, Relay Coordination Studies, etc. using electrical power systems analysis software (SKM)
- Collaborate with department manager on business development activities for the utility substation sector, such as development of marketing materials and technical presentations.
- Participate in client business development meetings to represent specific technical expertise when necessary
- Prepare proposals and estimates for various projects

**Requirements:**

- Bachelor of Science or Masters in Electrical Engineering
- 10+ years of electrical engineering experience in the utility and heavy industry markets
- Current Professional Engineer (PE) License
- Strong interpersonal skills
- Electrical modeling software experience (SKM)