



Engineer II (Electrical – Protection & Control)

Substation Engineering Company (SECo) is a full-service Engineering and Design firm providing a full range of cost-effective services for utility high voltage transmission and substation projects. Our corporate culture is rooted in our emphasis on process and safety. We are paving the road to success by providing the necessary tools to do good work, find enjoyment within a good team, and get home safely.

SECo is strengthened by partnerships with Tier 1 Testing & Commissioning and Tier 1 Utility Design, Inc. This dynamic equates to effortless coordination and cohesiveness between our clients, vendors, engineering, construction, and the field. Our experienced team connects testing and engineering and allows problem solving and corrective actions to occur before they become adverse client challenges.

Job Description

Mid to Senior-level electrical engineering position focusing on the performance of both routine and complex activities and tasks related to the design of high voltage substations (15kv to 765kv).

Typical duties include (but are not limited to):

- Provides estimating, engineering, and design analysis for new and retrofit switchyard and substation projects up to 765kV.
- Designs and modifies relaying one-line diagrams, three-line diagrams, protection and control schematics, relay panels, DC and AC auxiliary systems, and SCADA systems.
- Performs calculations such as short circuit, voltage drop, circuit ampacities, etc.
- Performs short-circuit grounding and lightning protection analysis.
- Prepares material specifications.
- Monitors budget and schedule for assigned tasks.
- Works in a team environment, coordinating requirements with other engineering and design disciplines.
- Provides technical direction to subordinate team members.
- Holds responsibility for the quality assurance of the documents to the applicable company and client standards.

Job Requirements:

- BSEE or MSEE.
- 5+ years of progressively responsible experience in protection and control engineering with a thorough knowledge of applicable theories, practices and accepted procedures.
- EIT or Professional Engineering license preferred.
- Ability to quickly develop broader knowledge through performing structured functional assignments, such as collecting and analyzing data related to specific tasks.
- Independently works through individual projects and/or takes the lead role in broader projects.
- Computer proficiency required as well as strong analytical and problem solving skills.
- Accuracy and attention to detail as well as ability to meet deadlines and complete assignments.
- Strong written and verbal communication skills in English.
- Commitment to customer service and ability to work in a team-oriented environment.

Full Benefit package

Medical/Dental/Vision
Paid Holidays
PTO (Paid Time Off)
Group Life Insurance/LTD/AD&D
401K
Voluntary Benefit Plans
Paid Parental Leave

Position Classification/Compensation

Exempt
Competitive pay structure