

Jr. Electrical Engineer

Medellín, Colombia

Cayena Associates is looking for a Jr. Substation Engineer to work from our Barranquilla, Colombia office. Your responsibilities in this position will include all aspects of protection and controls (P&C) and or Physical Electrical engineering for high voltage substation and transmission projects. Typical tasks include conceptual and detailed design, design reviews, drafting and QA/QC checking.



Realize your ambitions by bringing your unique talent to collaborate on a variety of exciting international projects.

Essential Duties and Responsibilities:

- Development of and/or revisions to existing drawings for one lines, physical arrangement, grounding, conduit and wire schedules, bill of materials, and site development, battery sizing and equipment layout including coordinating with CAD operators to develop organized, quality CAD drawings.
- Integrate physical layout and design of substations to interface with protection and control drawings.
- Development of control and relay panel layouts including assembling the specifications.
- Creation of project criteria.
- Development of design specifications including the overall bill of materials.
- Design and sizing of auxiliary systems including AC/DC load centers as well as batteries and chargers.
- Design and sizing of conduit, cable and backup generators.
- Ordering long-lead item materials
- Travelling to other offices and to meet with clients and attend project specific meetings on a regular basis.
- Managing tasks on multiple projects in accordance with GAI's high standards of project management.
- Ability to manage competing priorities using sound engineering and financial judgment to determine optimal solutions.
- A willingness and an aptitude for training and mentoring other members of the technical engineering staff.
- Must be flexible to handle shifting deadlines and scope changes.

Job Qualifications:

- Bachelors (B.S.) degree from an accredited college in Electrical Engineering or last semester of Electrical Engineering
- Fluency in English language (reading, writing, comprehension)
- Excellent communication and writing skills and strong organizational skills.
- Proficient in MS Office.
- Proficient in the use of AutoCAD and/or Microstation.

- Must be detail oriented and maintain professionalism at all times. “Client First” approach to all interactions.
- Must be able to manage and prioritize multiple projects simultaneously and be able to work effectively under the pressure of deadlines and unexpected developments.
- Ability to work extended hours or afterhours when required.

Seniority Level:

Entry Level.

Employment Type:

Full-time

Job Function:

Engineering

Salary:

Competitive Salary - Depends on qualifications