



Example of Substation Engineer Job Description

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Our company is searching for experienced candidates for the position of substation engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for substation engineer

- Working with protection single-lines, Gas Insulated (GIS), Local Control Cabinet (LCC) schematics, protection and telecommunication interfaces, review of control & protection drawings, CT sizing, relay setting/coordination, is a bonus
- Knowledge of the benefits and strengths of Gas Insulated Switchgear vs
- Provide construction, installation & commissioning support
- Will support proposal efforts by introducing and promoting innovation, cost saving ideas, and value-added solutions to the overall system design concept
- Performing On-site assessment and evaluation of existing equipment, steel structures, foundations, , in so called "brown field" substation projects
- Be responsible for providing expertise and support to the proposal and project teams in validating sub-contractor bids, and in negotiating sub-contracts for electrical substation and switchyard projects
- Manage project schedules and budgets to provide accurate resource loading for the project
- Manage project personnel to hold them accountable for project deliverables
- Lead the development of single-line diagrams, layout drawings, raceway systems, grounding systems, station service and Bill of Materials (BOMs) for substation design packages
- Strong experience with both outdoor and indoor substation applications

Qualifications for substation engineer

- Experience in High Voltage power cable system design, including ampacity calculations, cable pulling design, cable vault layouts, cable restraint design, and Gas Insulated sealing end/air termination applications
- Knowledge of the benefits and strengths of GIS vs
- Experience in Auxiliary Power Design and Equipment
- Experience in Protection and Control Design Requirements for a Substation
- Experience in Civil Design Requirements for a Substation
- Master's of Science degree in Electrical or Mechanical Engineering -and