



Example of Power System Engineer Job Description

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Our innovative and growing company is looking for a power system engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for power system engineer

- Provide engineering and technical support to the project bid process, construction process, and commissioning and acceptance process
- Assist in the Protective Coordination Studies and Arc-Flash Studies per NFPA 70E
- Maintain and Update Building Substation One-Line Diagrams and other relevant documentation
- Provide technical assistance and support to the Site Smart Meter Infrastructure including hardware and software
- Maintain effective communication with project team members and with the customer(s)
- Utilizes computer-assisted engineering and design software such as AutoCAD, SKM's Power Tools, and equipment to perform engineering tasks
- Good understanding of National Electrical Code and electrical power engineering principles, and will utilize electrical engineering knowledge related to voltage, current, power, voltage drop, cable sizes, and conduit size requirements per NEC
- Respond to and resolve complex electrical system engineering, operating, and maintenance problems
- Provide engineering support to the operation and maintenance of the electrical distribution system including the analysis of preventative maintenance test data for the electrical equipment
- Advise on designs to achieve compliance to requirements, reliability and manufacturability

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- Comfortable in ability to communicate/discuss complex technical topics with clients
 - Possess good understanding of thermals, mechanical and packaging challenges
 - Highly motivated, self-starter with innovation, integrity and attention to details
 - BS Degree, Electrical Engineering, accredited by the Accreditation Board for Engineering and Technology (ABET) as a professional engineering curriculum
 - Must be eligible and able to obtain a Secret clearance
 - BS or MS degree in electrical engineering with a focus on power electronics