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# Example of Principal Electrical Job Description

Our company is searching for experienced candidates for the position of principal electrical. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for principal electrical

* Originate specifications, control documents, verification and validation plans, procedures, reports, and other documentation in support of design and development activities
* Participate in design and development of systems consistent with customer requirements and industry standards
* Perform other duties as required by more senior engineer(s), Project Engineer or Program Manager
* Develops electrical power/control panels according to UL, NEC, and CE codes
* Responsible for technical direction to other engineers, designers, test lab technicians, factory operations, product marketing, field service, and application engineers
* Uses standard and advanced technical principles, theories, concepts, techniques, processes, and best practices in field
* Proficient at investigating and analyzing product design requirements and recommends solutions
* Proficient at preparing, checking, and coordinating the release of documentation to support designs
* Collects and analyzes test data to identify electrical performance problems and potential solutions
* Plans projects & product releases

## Qualifications for principal electrical

* Demonstrable experience within the water engineering sector with experience in both wastewater and water
* Proven understanding of the design process and ability to demonstrate working knowledge of brief/scope documents, design concepts significant experience technically calculations
* Willingness to work in the Novi, MI location
* BS in Electrical Engineering, MS preferred
* Excellent oral, written and presentation skills for interfacing with senior management and customers mentoring of associate engineers is required
* Min 15 Years experience in Oil and Gas offshore facilities expereince in FEED and detailed design with consultant or EPC contractor