



# Example of Power Electrical Engineer Job Description

Powered by [www.VelvetJobs.com](http://www.VelvetJobs.com)

Our innovative and growing company is looking to fill the role of power electrical engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for power electrical engineer

- Managing the MV Power Distribution package
- Reporting to the Design Manager and Project Director regarding the progress of the package and issues and opportunities related to design
- Working with the PMC contracts team and the Employer for preparation of tender documents and tender evaluation
- Reviewing Tender and Detail Designs
- The scope of the PMC design reviews and audits consists of checks that the Employer's mandatory requirements have been incorporated, that the documents have been checked according to the Contractor's approved Quality system, and by the ICE where required, and that the designs are constructible and operable
- Coordinating with the work of design reviewers of other disciplines from within the PMC and from Employer/stakeholder organisations
- Managing the Design-Build Contractor in accordance with the contract with the Employer
- Assisting the PMC Interface Manager to ensure that design and construction interfaces between the MV Power Distribution, Infrastructure, Marine works, and Buildings packages are properly addressed
- Conducting design constructability assessments and value engineering assessments where required
- Specific areas of focus include providing options and recommended solutions that will enable the electrical system to provide maximum uptime and minimum planned and unplanned interruptions to service, for the facility

- 
- Working knowledge of CAD ( AutoCAD or MicroStation)
  - Working knowledge of ETAP, SKM, ASPEN, or PSSE
  - Working knowledge of Matlab and/or MathCAD are desirable
  - Experience in the design and development of power system hardware including power converters, power conditioners, or power distribution systems
  - Experience using test equipment to test and verify the performance of power electronics and power system hardware
  - Minimum 1 year of work experience in Substation physical design or protection & control