



# Example of Power Electrical Engineer Job Description

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Our company is looking for a power electrical engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for power electrical engineer

- Must have the ability to work productively and cooperatively in a team environment
- Performs engineering work concerned with the design, evaluation, planning, testing and operation of electrical, electronic, mechanical, and/or computer components, equipment and systems for commercial, government, military and/or scientific uses
- Provides system/equipment/specialized training and technical guidance as required
- Utilise all available tools and aids in order to achieve the goals of the assignment strive for continuous product improvements and cost reduction
- All commissioning activities are performed in accordance with internal standard operating procedures and are carried out under Permit to work (PTW) procedure
- Manage, perform, coordinate and monitor the commissioning of the systems specified within the scope of work of the Commissioning Engineer Electrical by arrangement with the Commissioning Manager (COMM)
- Organize and supervise the safe operation of the plant (site rules, safety regulations, shift plan, shift log, ) from system turnover from erection until PAC
- Execute all witness points of systems specified within the scope of work of the Commissioning Engineer Electrical as defined by contract and local regulations
- Timely call-up of Commissioning Engineer Electrical, specialists and further associated staff through the COMM

## Qualifications for power electrical engineer

- Minimum 3-5 year experience in electrical engineering in high voltage power industry
- Solid vocational training in Operating Technology or Electrical Engineering, complemented by additional qualifications in a technical or engineering discipline
- Bachelor's degree in electrical engineering from accredited program
- Bachelors of Science Degree – Electrical Engineering
- Experience specifying, applying designs, witness testing and troubleshooting the entire spectrum of power system equipment including gas turbine generators, steam turbine generators, diesel driven generators, high/medium/low voltage switchgear, UPS's, VFD's, power transformers, protective relaying, low and medium voltage motor control
- A minimum of 20 years of experience as an Electrical Engineer (Facility Power Production and Associated Backup Systems) within the DoD, IC, or commercial industry