



# Example of Electrical Job Description

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

## Responsibilities for electrical

- Drive and execute the electrical and control aspect of the full product development cycle from definition, design, prototyping, testing to introduction to manufacturing
- Collaborates with cross-functional team from Marketing, R&D, Regulatory Affair and Technical and Field Service to understand and define product requirement of electrical and control sub-system of the offering
- Develop electrical sub-system specification and testing protocols based on identified Key Performance Indicators (KPI), system requirement and users need to ensure that product will meet or exceed the intended functional, quality and cost target
- Design, qualify, and implement a reliable functional and safety instrumentation system including sensors, pumps, valves, solenoid, switches and other types of electrical and hydraulic actuators
- Develop, design, and implement electrical solutions for consumer electronic products including but not limited to schematic capture, part selection, PCB layout, analysis and validation of prototype systems that meet the goals of the product while managing constraints in space, time, cost, performance, power, signal integrity, timing margins, and manufacturing
- Direct and coordinate electrical engineering services as required
- Develop project documentation including specifications, schematic diagrams, PCB layouts, schedules and presentations to fully capture and communicate the electrical design to achieve the projects goals
- Ensure electrical systems meet all safety, economy, reliability, quality and sustainability requirements

## Qualifications for electrical

- Leads a team of skilled Electrical Technicians and manages interfaces with operations, engineering, to ensure that plant integrity and safe operations are maintained
- Engineer Intern ("EI" or "EIT") professional certification preferred
- Two plus years working for a MEP firm required
- Experience working on data center, power, VPS systems, generator systems and medium voltage distribution projects required
- A minimum of 5 years of experience in the degreed field
- Experience from Wind turbine industry / Automobile Industry / Energy Sector / Automation