



# Example of Staff Design Engineer Job Description

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

## Responsibilities for staff design engineer

- Integrated into the in-house design team as quality lead while reporting to Manager of Installation Quality
- Primary area of focus is product and process quality of in-house electrical designs with some civil engineering support actions where required
- Act as Point of Assurance with detailed electrical design review for all complex installation electrical designs, red-line and require in-house team to make corrections prior to submittal to customer, city and utility approvers
- Utilize 8D methodology to facilitate root cause analysis and implement corrective measures upon identification of process misses
- Train, coach and support customer coordination studies for accuracy of electrical design inputs to ensure issue-free equipment procurement, installation and commissioning upon site commissioning
- Team with Applications Engineering team to improve and standardize early customer project inputs to reduce wait time for clarification, correction during active project design phase
- Team with Procurement Specialists to reduce power equipment cost and delivery lead times through improved accuracy and early availability of single line diagrams
- Potential for line management of small team
- Interactions with Marketing team to define innovative products
- Work with System architects, Characterization, Application and Production Test engineers

## Qualifications for staff design engineer

- Determines the best path forward for addressing customer and product requirements cost-effectively (e.g., existing routines, work-arounds, schedules, or alternative strategies) (PDD/RS)
- Leads peer reviews of proposed design architectures and verification results to ensure useful, accurate, and timely feedback to stakeholders
- Actively demonstrates the standards and group values at the core of quality implementation
- Decent understanding in the issues of electro-migration and IR drop, RC delay, self-heating, capacitive cross-talk
- Minimum 5 years direct DC-DC IC design experience, with MSEE or above degree