

ROBERT SMITH

Site Electrical Engineer

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A dedicated and highly reliable Site Electrical Engineer with extensive electrical and Management experience (10+ years) in Auxiliary Electrical Systems design and analysis in consulting and field engineering environments. Skilled in electrical drawings development, Arc Flash Hazard, Short Circuit and Motor Starting analyses. Seeking an Electrical Engineering position with a company that offers opportunities for career growth and advancement, and allows me to utilize my educational background and experience to become an essential asset to the company.

EXPERIENCE

Site Electrical Engineer

ABC Corporation - 2009 - 2016

- Primary responsibilities included the design and upgrade of electrical distribution systems of mission-critical facilities to support the availability/reliability and expansion of critical loads.
- Designed addition and replacement of 20+ Power Distribution Units (PDU).
- Upgraded existing electrical system to "n+1" catcher system configuration eliminating the risk of overloading alternate power sources.
- Developed plans to reconfigure remote power panels connections in order to balance data center critical loads throughout the electrical distribution system.
- Developed the method of procedures for electrical work to be performed while all critical loads and essential panels were energized.
- Developed a system to efficiently manage computer loads and cutover of computer equipment, saving data centers engineers valuable maintenance time.
- Modified existing ups systems at data centers to better balance existing and future loads on the electrical system.

Associate Electrical Engineer

ABC Corporation - 2006 - 2009

- Responsibilities included the design and upgrade of medium/low voltage auxiliary electrical systems.
- Developed one-line three-line and layout drawings for switchgear, MCCS and panelboards.
- Sized protective devices (breakers, motor starters, and fuses) and cables in accordance with NEC and IEEE standards.
- Performed electrical design quality assurance checks reviewed shop drawings of electrical equipment to ensure conformance with standards and project requirements.
- Developed specifications and procurement packages for electrical