

M+W Zander U.S. Operations, Inc. is a full service architecture, engineering and construction management firm. Our focus is in complex, technically challenging projects in the fields of advanced technology – scientific research, electronics, life science and government.

Over our 90 year history, we have emerged as an industry leader in research and development, pilot manufacturing, manufacturing, assembly & testing operations, supporting administrative, housing, food service, and special purpose facilities. The partnerships we have formed take us to every continent in the world.

We are committed to attracting and retaining the best employees. Our teams bring outstanding expertise to every project, from business and strategic planning to facility maintenance and operations.

We create extraordinary solutions, delivering the unexpected by listening and responding with ingenuity and innovation.

## **ARE YOU READY TO UNLEASH YOUR POTENTIAL?**

**Job Title:** Senior/Lead Electrical Engineer

### **Job Summary:**

Function as the Lead Electrical Engineer in the design and preparation of construction documents, while providing technical direction to designers and drafters assigned to specific projects. Design, develop and implement solutions for the Data Center/Mission Critical Facility industry. Engineer V - Applies diversified knowledge of engineering principles and practices to broad variety of assignments and related fields. Makes decisions independently regarding engineering complexities and methods. Requires use of advanced techniques and modification and extension of theories, precepts, and practices in individual's field. Registration as licensed Professional Engineer is required. Supervision and guidance relate largely to overall objectives, critical issues, new concepts, and policy matters. Consults with supervisor concerning unusual problems and developments. Typical duties and responsibilities include the following: Supervises, coordinates, and reviews work of small staff of engineers and/or technicians.

### **Duties and Responsibilities**

- Provide Electrical Engineering services to design, specify, and approve power distribution required for the construction of state of the art Data Center/Mission Critical and other facilities.
- Interface with utility companies, construction supervisors, and vendors.
- Facilitate power quality studies, capacity studies, remediation, UPS and emergency power strategy, short circuit and load coordination studies, and control system strategies.
- Incorporation of renewable power sources into traditional power systems providing mission critical reliability.
- Function as the Lead Electrical Engineer in the design and preparation of construction documents.
- Provide technical direction to designers and drafters assigned to specific tasks.
- Responsible for the quality and delivery of schematic and detailed designs.
- Professional Engineering approval of work performed under direct supervision.
- Thoroughly familiar with National Electrical Code, NFPA documents, EIA / TIA, and building codes.
- Able to incorporate 'green' features into design solutions.
- Familiarity and competence with the following:
  - Use of electronic mail and Excel /Word software.
  - SKM Power tools for Windows
  - Lighting Programs
  - LEED
  - Familiar with AutoCAD / MEP / P&ID / BIM software
- Other duties as assigned by the Project Engineering Manager.

**Skill and Educational Requirements**

B.S., Electrical Engineering. 7+ years of experience. P.E. license by examination and previous data center/mission critical facility, semiconductor, government or manufacturing project experience mandatory. Recommended but not required LEED certification, and memberships with organizations such as the Uptime Institute, 7x24 Exchange.

**Inter-Relationships**

Shall have experience in managing several projects at the same time Contact with all levels of personnel within company and with clients and vendors.

**Working Conditions**

Work week will consist of 40 or more hours as the project allows. Travel may be required to client sites. Relocations to the projects are negotiated at the time of project assignment. Travel to other offices for strategy and client meetings and for ongoing professional development and training.

Interested applicants are invited send resume for confidential consideration to Steve S. @ [jobs.usa@mw-zander.com](mailto:jobs.usa@mw-zander.com) or fax to (866) 603-4356.