



Engineering | Energy Services

## **SENIOR ELECTRICAL ENGINEER**

PWI Engineering is a leading Engineering and Energy Consulting Company with offices in Jenkintown, PA and Cherry Hill, NJ. We currently have an opening for a Senior Electrical Engineer.

PWI has evolved with changes in technology and changes in operational standards, all to serve our clients' needs. We have maintained long-standing relationships with healthcare, pharmaceutical, and institutional facilities, along with other private sector organizations. Our history includes an extensive tradition of outstanding quality and years of established client relations, with a 90% repeat business rate. The firm has spent years challenging itself to bring excellence in asset management to industry and will continue to strive for "continuous improvement." We want you to join us as an integral part of our continuous improvement process.

PWI has grown our engineering team to the point where we need an outstanding, detail-oriented individual who can handle support for our design activities. If you are the right person for this opportunity, you would describe yourself as having the self motivation, energy, and attitude to do anything it takes to keep our commitment to being our industry's leader.

### **Job Descriptions:**

We are currently seeking a Senior Electrical Engineering Design Professional to join our team. As a Senior Electrical Engineering Design Professional, you will be leading the design of electrical systems including electrical power distribution (medium voltage systems through 35 KV), lighting, daylighting, renewable energy (CHP & Solar), communications, security, and fire alarm systems for sustainable higher education, science & technology, healthcare, and mission critical projects.

### **SKILLS**

- Attend project progress meetings, provide updates for Project Manager (including field reviews to monitor project construction status)
- Coordinate electrical requirements with other disciplines involved in the project design team
- Collaboration in multi-discipline project teams to develop drawing and specification documents for issuance to architects, contractors and building owners.
- Plan project resources, maintaining schedules and budget.
- Active listening skills and the ability to resolve conflict within teams and client.
- Ability to provide electrical design and performance specifications for lighting, lighting controls, power and low voltage system.
- Develops single line diagrams, riser diagrams and similar project documents
- Engineering calculations, equipment sizing and selection for low, medium and high voltage systems.
- Survey and evaluate existing conditions.
- Construction administration.
- Maintain master and project specifications, keep current based on changes in codes, technology, and/or improved methodologies.
- Actively seeks new knowledge related to engineering practices, principles and regulations changes.

- Mentoring and sharing work experience knowledge for the benefit of other employees and the office.
- Other tasks as needed to ensure timely and thorough support to our clients.

### **QUALIFICATIONS**

- Bachelor's degree in Electrical Engineering,
- 10+ years of experience in MEP consulting
- Electrical, PE
- Knowledge and experience with medium voltage and on-site power generation systems
- Advanced knowledge of engineering principles and practices.
- Advanced knowledge of building codes.
- Advanced Knowledge of IEEE standards and compliance requirements
- Advanced knowledge of electrical systems and equipment.
- Able to lay out electrical equipment rooms, maintaining code-required clearances.
- Advanced knowledge of design techniques, tools, and principles involved in production of plans, sections diagrams and equipment schedules, and drawings.
- Proficiency in MS Office, including Word, Excel and Outlook.
- Basic knowledge about sustainability, integrated design and LEED guidelines.
- Ability to effectively meet deadlines.
- Strong communication skills – written and oral
- Time management skills
- Ability to work in team environment.

### **DESIRED**

- Project Management experience
- Experience with BIM/Revit
- Experience with sustainable design (Will train in CHP design)
- Environmentally-minded

**Contact:** Deborah Rutledge  
PWI Engineering  
267-536-3141

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**Passion. Expertise. Results**

