



**Power System  
Engineering, Inc.**

**1532 West Broadway, Madison, WI 53713**

[www.powersystem.org](http://www.powersystem.org)

## **Job Description**

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Excellence Through People! Take your career to the next level working with energetic, talented, and forwarding-thinking colleagues who share common values and a mission of helping colleagues achieve their goals. Work for a company that gives you a platform to do amazing things.

### **Who We Are Looking For:**

Power System Engineering, Inc. (PSE) is looking for a well-rounded individual to provide consulting services to PSE clients in the industrial sectors in accordance with national and state regulatory agency codes and standards. Responsible for directing, coordinating, planning, organization, control, integration, and completion of industrial projects within the area of assigned responsibility.

### **What You Will Be Doing:**

- Provide a wide range of engineering and technical consulting services to PSE's commercial and industrial clients including lighting design, power distribution design, conducting power quality studies, and performing overcurrent coordination and arc flash studies.
- Supports large Industrial client projects
- Collects field data
- Assembles drawings using AutoCAD and/or Revit
- Analyzes engineering sketches, specifications, and related data and drawings to produce final product
- Completes tabs and populates information in proprietary customer software.
- Completes permitting process with local authorities.
- Coordinates with construction crew for installation of facilities per the design.
- Coordinates with customers on all aspects of project.
- Reviews design for compliance with engineering principles, company standards, client requirements, and related specifications.
- Evaluates and approves design changes, specifications, and drawing releases.
- Control's expenditures and hours within limitations of project budget
- Establish and maintain on-going client relationships within the industrial and renewable energy industry.
- Work in cooperative fashion with other PSE team members to improve our efficiencies and work product.
- Employ strong project management and client and vendor relationship building.

## Electrical Designer - Industrial

### **Qualifications:**

#### Education and Experience

- The candidate must have an associate of applied science degree
- Proficiency with AutoCAD, Revit, SKM Power Tools, ETAP, and MS Office Suite
- The candidate shall be self-motivated and have experience in developing construction bid documents for commercial and industrial facilities
- Working knowledge of applicable NEC, IEEE, and ANSI standards is highly preferred.
- Strong interpersonal skills and ability to apply effective verbal and written communication skills when writing specifications, preparing technical reports, contributing to, or leading project team discussions
- Ability to travel as needed (up to 15%) for team meetings, client consultations, site assessments, and construction inspections – occasional overnight travel may be required.

#### Knowledge and Skills

- Experience using Auto-CAD, project cost estimates, specifications and drawings, and other engineering documents required for balance of plant electrical engineering
- National Electrical Code (NEC) knowledge is desired
- Proficient with Microsoft Office
- Knowledge and understanding of electrical design and construction
- Strong communication skills (both written and oral) be customer-driven, and display teamwork behavior
- Ability to work and meet deadlines in a fast-paced and competitive grant funding environment

### **Other Responsibilities Disclosure:**

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties, or responsibilities that are required of the employee for this position. Duties, responsibilities, and activities may change at any time with or without notice.

### **People. Power. Future**

*Power System Engineering is an Equal Opportunity/Affirmative Action Institution and does not discriminate on the basis of race, sex, gender identity, marital status, pregnancy, sexual orientation, age, disability, veteran status, religion, color, ancestry, or national origin or any other characteristic protected by federal, state or local laws. Our management team is dedicated to this policy with respect to recruitment, hiring, placement, promotion, transfer, training, compensation, benefits, employee activities, and general treatment during employment.*