

# **Power Systems Applications Engineer**

Location: Fort Collins, Colorado

We are seeking an experienced electrical engineers with power systems engineering expertise. Responsibilities will include field and applications engineering for surveys, installation, commissioning, and troubleshooting of power management applications. Professional Engineering license not required but desirable. Salary and position title will be in accordance with experience and fit for position.

## **Job Responsibilities:**

- Create electrical drawings and engineering cost estimates, perform on-site investigations and power management requirements analysis, evaluate and select equipment, prepare analytical studies and reports, create specifications, single-line diagrams, electrical schematics, BOM and equipment layout, system test, commissioning and troubleshooting at customer sites.
- Lead field installation and commissioning of power management applications for distributed, primary, critical, backup, and renewable power.
- Must be self-directed, conscientious, team player, with proven written and verbal communication skills. Requires analytical, organizational, reasoning and presentation skills.

## **Required Experience:**

- BSEE required, MSEE a plus, with work experience in power systems engineering.
- 5-15 years experience in power systems engineering (power generation, substation design, power system studies, HV/MV/LV switchgear, protective relaying and coordination, power distribution, motor control, power system compensation), and North American codes and standards (NESC, NEC, CEC, ANSI/IEEE, UL, CSA, NEMA, OSHA).
- PLC, genset controller, voltage regulator, speed governor, synchronizer, grid paralleling, and load sharing configuration and programming experience.
- Design, development, installation, and commissioning of power generation systems including creation of drawings, field engineering, and oversight of third party engineering service providers.
- PLC, RTU, and SCADA programming and field commissioning experience.
- Strong interpersonal, written, analytical, and quantitative skills.
- Detail-oriented self-starter with strong organizational skills and the ability to multi-task in a relatively complex unstructured work environment with little supervision.

## **Desired:**

- Power generation experience with Caterpillar, Kohler, Onan, and other leading manufacturer's equipment.
- Experience or aptitude in performing power system studies (short-circuit, protective device coordination, load-flow, motor starting, harmonic mitigation, power factor compensation, grounding, lightning, transient stability, etc.).
- Aptitude and interest in field engineering.
- Basic understanding of topics related to renewable energy, grid integration, transmission operations, ancillary services, and distributed power management.
- Communication protocols and standards expertise.
- Ability to travel and work long hours when needed
- Proficiency in Word, Excel, Outlook, PowerPoint and other business software
- Energetic and enthusiastic. Fast learner. Technically competent

**Compensation:** Commensurate with experience