



Job Posting: SCADA Design Engineer

Location: Kansas City, Missouri

This opportunity is located within the engineering department at Infinite Energy Engineering in Kansas City, Missouri. The SCADA Design Engineer will play a key role in designing, programming, and delivering secure, reliable SCADA and control systems for utility and infrastructure applications.

Who We Are: Infinite Energy Engineering is a recognized leader in Transmission & Distribution design, known for delivering high-quality utility and infrastructure solutions with a focus on safety, integrity, and performance.

What We're Looking For: We're seeking a driven and detail-oriented SCADA Design Engineer with strong expertise in utility-scale SCADA systems. The ideal candidate will bring a solid background in SCADA architecture, PLC/RTU integration, field commissioning, and secure communication protocols.

Key Responsibilities:

- Design, configure, and implement SCADA systems for utility and infrastructure projects.
- Integrate and program PLCs and RTUs (e.g., SEL, GE, Siemens, Allen-Bradley) with SCADA platforms.
- Develop system architecture drawings, I/O lists, and wiring diagrams.
- Ensure secure communication using protocols such as Modbus, DNP3, IEC 61850, TCP/IP, and SNMP.
- Support full project lifecycle from design to field commissioning and client training.
- Comply with NERC-CIP cybersecurity standards and best practices.
- Collaborate with engineers, contractors, and clients to deliver reliable systems.
- Maintain technical documentation including as-builts, manuals, and reports.
- Contribute to team growth and mentor junior engineering staff.

**Qualifications:**

- Bachelor's degree in Electrical, Computer, or Controls Engineering; equivalent military or field experience acceptable.
- 3–5+ years of SCADA systems design and implementation experience.
- Proficiency with SCADA platforms such as Ignition, Wonderware, GE iFIX, ClearSCADA, or VTSada.
- Experience with communication protocols used in utility SCADA environments
- Familiarity with PLC/RTU programming and integration.
- Strong documentation and system reporting skills.
- Knowledge of utility infrastructure and substation systems.
- Understanding of NERC-CIP or general SCADA cybersecurity protocols.
- Ability to manage project deliverables from concept to commissioning.
- Strong leadership potential and desire to contribute to team development.
- Commitment to safety and regulatory compliance.

Interested applicants may submit their resume to Sydnee Bseiso at Sbseiso@iecengineers.com or call (816) 763-7471 for more information.