

Job Posting

Position: Electrical Design Engineer

Job Type: Full-time

Location: Stillwater, MN/Remote

Position Description:

RAMTeCH Software Solutions is a global GIS consulting, data management, and software solutions company specializing in the utility, energy, and telecommunications industries. We are seeking a skilled and experienced Electrical Design Engineer to join our team. The successful candidate will be responsible for designing, planning, and coordinating electric utility networks, ensuring compliance with all relevant regulations, standards and safety protocols. This role involves working closely with project managers and clients to deliver utility infrastructure solutions that meet both technical and operational requirements.

Key Responsibilities:

- **Utility Network Design:** Develop electric designs packages including overhead and underground networks aligned to a specific utility's standards, compliance and specification details
- **Project Coordination:** Collaborate with internal teams and external clients to ensure that designs adhere to and comply with project requirements, timelines, and budget
- **Regulatory Compliance:** Ensure designs meet local, state, and federal regulations, industry standards, safety requirements, and any additional procedures as identified by the utility
- **Technical Support:** Provide engineering design support throughout the project lifecycle, from conceptual design through commissioning, as required
- **System Optimization:** Review and recommend improvements to utility enterprise systems to enhance efficiency, reliability, and safety
- **Cost Estimation:** Assist in preparing cost estimates for projects, considering material, labor, etc.
- **Bill of Materials & Documentation/Reporting:** Prepare detailed Bill of Materials (BOMs), design documents, specifications, reports, and presentations to key stakeholders
- **Risk Management:** Identify and mitigate potential risks associated with the design, construction, and operations of critical networked infrastructure
- **Troubleshooting:** Address and resolve design-related issues, review and QA/QC design deliverables to ensure accuracy
- **Sales Support:** Provide support to the RAMTeCH sales team in presentations and customer meetings

Qualifications:

- **Education:** Bachelor's degree in Engineering (Design Engineer) or a related technical certificate/field
- **Experience:** At least five years of experience in electrical network design or a related field
- **Licensing/Certification:** Professional Engineer (PE) license preferred or related experience
- **Technical Skills:**
 - Proficient in CAD and GIS-based network design platforms (Autodesk, SBS, Schneider Electric, GSI, Bentley, Dassault, etc.)
 - Strong understanding of electrical networks, including safety, standards and regulatory requirements
 - Familiarity with industry standards such as ANSI, IEEE, NFPA, NESC, and local codes

- **Communication:** Strong written and verbal communication skills to collaborate with cross-functional teams and stakeholders

Preferred Skills:

- Experience with project management and familiarity with utility design and construction processes
- Understanding of utility standards, joint use design, pole loading, compatible units, and make ready engineering

Additional Job Details:

- **Travel:** Office-based with occasional site visits
- **Work Authorization:** US Citizenship Required (work visa sponsorship will not be provided)
- **Compensation:** Competitive salary and benefits

Join a global network of 3,000+ high-caliber people including an actively expanding North American operation, who collaborate and share an enthusiasm for successful project delivery. RAMTeCH encourages individual achievement and recognizes the strength of a diverse workforce. This position comes with a competitive compensation package, and a comprehensive benefits package, including life insurance, health and dental insurance, tuition and training reimbursement, 401(k) retirement plan, paid holidays, vacation, and sick time.

Our growing team awaits the addition of your business development and technical knowledge as well as strong skills. For confidential consideration, qualified candidates should submit a cover letter, resume, and salary requirements to the following contact. RAMTeCH is an Equal Opportunity/Affirmative Action Employer.

Contact Information: careers-na@ramtech-corp.com

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