

**Employment Opportunity: Electrical Engineer****Employment Type:** Full-time**Location:** Mosinee, WI 54455**Department:** Engineering / Electrical / Design & Development**Reports To:** Engineering Manager / Chief Engineer / Project Manager**About the Role**

We are seeking a qualified Electrical Engineer to join our engineering team. The successful candidate will be responsible for designing, analyzing, and overseeing electrical systems — including power distribution, control systems, panel designs, wiring schematics, compliance with codes/standards, and collaboration across disciplines (mechanical, structural, project management, field teams). The role will involve concept design, detailed engineering, documentation, troubleshooting, and occasionally supporting field implementation.

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**Key Responsibilities**

- Develop and design electrical systems: power distribution, control systems, lighting, grounding, wiring, etc.
- Prepare detailed electrical schematics, wiring diagrams, panel layouts, single-line diagrams, load calculations, grounding plans, etc.
- Evaluate system performance, conduct load, and fault calculations, sizing components (switchgear, breakers, cables, panels), and perform specification writing.
- Collaborate with mechanical and structural engineering teams, project managers, procurement, and field crews to integrate electrical systems into overall project design.
- Review/approve vendor drawings, bill of materials, and ensure compliance with applicable electrical codes/standards (e.g., NEC, NFPA, UL, or other industry standards).
- Provide support during installation, commissioning, and troubleshooting — including field visits or coordination with contractors if required.
- Maintain and manage documentation, revisions, and change control for electrical design packages.
- Participate in design reviews and project planning meetings; offer guidance on electrical design aspects, cost, risk, and safety.

## Qualifications

### Required

- Bachelor's degree in electrical engineering (BSEE) or related field (or equivalent experience).
- Experience (or familiarity) with electrical system design, load calculations, power distribution, control systems, and panel design.
- Proficiency with relevant tools and software: CAD/CAE tools (e.g., AutoCAD, Revit MEP, or equivalent), electrical design and calculation software, plus standard office tools (Excel, documentation).
- Knowledge of electrical codes/standards and best practices.
- Strong analytical, problem-solving, and communication skills.
- Ability to coordinate with multidisciplinary teams and manage project tasks from design through installation/commissioning.

### Preferred

- 3+ years (or more) of electrical engineering experience in industrial, commercial, power-distribution, manufacturing, or related sectors.
- Experience with control systems, industrial automation, PLCs, motor control centers, etc.
- Experience managing projects, preparing specifications, reviewing vendor submittals, and supporting field teams.
- Familiarity with NEC (or relevant codes), safety standards, grounding practices, and documentation workflows.

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## Work Environment & Tools

- Office / engineering suite with CAD / electrical design software
- Occasional field visits (if projects require installation or commissioning support)
- Collaborative engineering and project teams, close coordination with project managers, procurement, contractors

### **Why Join Us?**

- Competitive salary and benefits
- Opportunity to work on diverse, challenging, and meaningful electrical design projects
- Professional growth in a stable engineering-focused organization
- Potential for leadership, mentoring, or project-management responsibilities

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### **How to Apply**

Please submit your resume, cover letter, proof of certification/licensure and — if available — project summaries or relevant design samples to:

[info@bscwi.us](mailto:info@bscwi.us)