



Mack Global Engineering Inc.

We are an engineering, procurement, and construction management company. We pride ourselves on being a company that cares and are committed to designing, developing, and delivering on success for all our clients.

We have an immediate career opportunity for an **Electrical Engineer** to provide strong technical leadership capability to ensure our client(s) strategic vision comes to life.

If you are a values-driven, compassionate, accountable and responsive individual who can contribute to a growing team focused on delivering excellence, we'd like to meet you.

Our workplace culture thrives on developing individuals that have proven experience in the engineering services industry and who have a firm understanding of the rewards and challenges associated with serving **Fortune 500 Global Manufacturing Organizations**.

Mack Global Engineering Inc. has a strong presence with our team of engineering professionals at two office locations in Brockville and Belleville to serve clients in Eastern Ontario, North America, and abroad. We offer our team members highly competitive salaries with benefits and a RRSP program.

Location: EASTERN ONTARIO – Frequent to occasional travel to client sites currently in Belleville, Kingston, Toronto, Brockville and United States.

Responsibilities:

Reporting to the Electrical Engineering Lead

- Establish design criteria, perform design calculations, develop single line diagrams, control schematics, plans and specifications.
- Review manufacturer information to assure compliance with specifications.
- Provide technical support to the construction management team and contractors.
- Perform field audits to ensure the installation conforms with the drawings and specifications.
- Prepare design scopes or work, work tenders, design options, cost estimates, and input to project schedules.
- Perform pre-start health and safety reviews (PSR's).
- Prepare and present the PSR's to the clients.
- Prepare equipment specifications and inspect equipment upon arrival at the project sites.
- Provide client and team focused communication both written and verbal to ensure strong working relationships are fostered.
- Provide cohesive and cooperative daily interactions with our work team.
- Travel to field operations in Canada and the U.S. to provide on-site leadership and engineering services.

Requirements:

- Proven leadership capabilities within a manufacturing/industrial setting with a diverse group of collaborative team members Permanent Resident of Canada.
- Ability to travel and work in the United States.
- Professional Engineer (P. Eng.) License in Ontario.
- Team orientated mindset.

- Experience in manufacturing, process and utilities environments.
- Electrical engineering and design experience for power distribution systems from medium voltage equipment to low voltage equipment with an emphasis on power distribution from the Motor Control Centers to the equipment.
- Electrical engineering and design experience for equipment and process control systems (24 vDC and 120 VAC).
- Knowledgeable in principles related to electrical maintenance.
- Familiarity with electrical safety guidelines of power distribution.
- Experience in safeguarding of machinery and safety instrumented levels (SIL) for processes.
- Ability to perform a Short-Circuit Current Rating (SCCR) analysis and coordination studies are an asset.
- Proven ability to multi-task while delivering multiple projects.

Skills:

- Project management and coordination are an asset.
- Strong interpersonal skills.
- Proficient in English with excellent written and oral communication skills.
- Critical Thinking - Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- Problem Solving - Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
- Systems Analysis - Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes.
- Capital cost estimating including effort hour estimates.
- Basic proficiency with AutoCAD.
- PLC programming is an asset (Rockwell 500, 5000, and Johnson Controls Metasys).
- Electrical Safety: CSA, IEC, National Electrical Code and EEA Standards.
- Hazardous areas: CEC, OESC, ATEX, IEC and NFPA codes/standards.

If you have an entrepreneurial mindset, a passion for engineering, and enjoy working in a highly energetic team atmosphere, we invite you to visit our website and apply. (www.mackglobal.net)