



ELECTRICAL CONTROLS ENGINEER – SUSTAINED OPERATIONS

About Us!

HYDMECH has been a leader in industrial sawing solutions for over four decades, known for engineering innovation, unmatched reliability, and a commitment to supporting metalworking industries across North America. What began as a pioneering Canadian company has grown into a globally recognized brand, driven by continuous improvement, customer partnerships, and a team of dedicated people who take pride in building exceptional machinery.

HYDMECH is part of the MEP Group (Italy) and Group Legris Industries (France). You will be part of a global organization with locations in Canada, USA, Europe, China and South America where advancement from within the organization is supported!

About the Opportunity!

This existing vacancy reports to the Director of Engineering and works closely with mechanical and electrical design engineers to support, maintain, and improve the hardware and software control systems used in band saw metal-cutting machines. The role includes updating and troubleshooting existing control platforms, maintaining supporting documentation such as schematics, BOMs, manuals, and programs, and implementing modifications required to address service requests, manufacturing needs, and product improvements. The position focuses on ensuring that current control systems remain reliable, serviceable, and compatible with evolving components, technologies, and field requirements.

WHAT WILL YOU DO?

- Update, modify, and develop PLC programs in Mitsubishi GX Works using ladder logic to support service activities, address service requests, resolve manufacturing issues and meet the market requirements.
- Maintain, adjust, and enhance HMI controls in GX Works to improve usability, support troubleshooting, and ensure manufacturing and service teams have the functionality required for effective operation.
- Take an active role in the electrical design and redesign of control systems, including updating schematics, modifying circuitry, and implementing improvements required to resolve service issues, support service/customer requests, and meet manufacturing needs.



- Create and implement engineering change notices (ECNs) for control-system updates, ensuring accurate documentation, revision control, and communication with affected departments.
- Evaluate and qualify replacement electrical and control components due to obsolescence, supply constraints, or cost-reduction initiatives, ensuring compatibility with existing systems.
- Update electrical schematics, wiring diagrams, and control-system documentation to reflect sustaining-driven modifications.
- Support manufacturing by updating or improving electrical/control test procedures, diagnostic tools, and commissioning steps.

WHAT DO YOU BRING?

- Bachelor's degree in Mechatronic, Electrical, Software/Computer or Controls Engineering or equivalent.
- 5+ years of experience in industrial machinery environment. Background in machine tool design preferred.
- Proven experience with PLC/Soft PLC platforms, control logic programming, and system integration for industrial applications.
- Demonstrated experience with E-plan P8, E-plan Pro-Panel and AutoCAD
- Knowledge in programming of PLC, HMI, servo, VFD and stepper motor controls, Closed loop control system and PID algorithm is required.
- Experience with Mitsubishi PLC and VFD programming and setup would be an asset.
- Additional experience in Modbus, OPC UA, ETHERCAT, would be an asset.
- Knowledge of CODESYS development software with programming in structured text with an object-oriented approach would be an asset.
- Excellent communication, interpersonal, and change-management skills.
- Knowledge of relevant environmental, health & safety regulations and best practices in manufacturing.
- Adaptable with a growth mindset and willingness to learn and develop
- Demonstrated ability to work independently or within a team setting.
- Aptitude for critical thinking, problem-solving, and decision-making

This job posting does not form part of the employee's contract of employment but is provided for guidance. The precise duties and responsibilities of any job may be expected to change over time.

This is an onsite position located at 1079 Parkinson Road.



WHAT WE PROVIDE?

- Paid time off including vacation time, paid holidays, additional holidays
- Five paid sick days per year
- Company events including Holiday party, food trucks and more
- Company sponsored Wellness program
- Comprehensive benefits package including Life insurance, AD&D, STD, LTD, Health and Dental, Vision Care
- RRSP matching program

The Ontario pay range for this position is \$80,000 CAD to \$100,000 CAD annually. Ultimately, in determining pay, we will consider the successful candidate's experience, skills, knowledge, and other job-related factors.

Interested and qualified individuals, who are eligible to work in Canada, with a 'CAN-DO' attitude, open to a collaborative, fast-paced, manufacturing environment, please forward a WORD version of your resume to hr@hydmech.com

Hydmech is an equal opportunity employer dedicated to recruiting and retaining a qualified workforce and is committed to hiring practices that are fair and equitable. The company and its hiring managers always seek to hire the most qualified candidate for a position. A protected characteristic under the *Human Rights Code* is never used against a person during the hiring process. Accommodations may be available upon request for candidates taking part in all aspects of the selection process. Requests for accommodation can be made through emailing Human Resources at hr@hydmech.com. Hydmech does not employ the use of AI in its recruitment process.