



Job Title: Electronics & Controls Engineer
Location: Sydney, Nova Scotia
Salary: (Depending on Experience)

About the job

The Verschuren Centre Inc has an open access service model to grow client technologies in clean technology and biomanufacturing, recently expanding its lab and pilot facilities into a large demonstration plant providing up to 10,000 L fermentation. Our mission is to enable companies to reach full commercialization in a cost effective, supportive ecosystem. We are currently seeking a skilled and experienced PLC / HMI Electronics and Controls Engineer to join our dynamic engineering team. This role is pivotal in developing, implementing, and maintaining control systems and machinery within our manufacturing and production processes.

Duties and Responsibilities:

- Design, develop, and maintain PLC (Programmable Logic Controller) and HMI (Human Machine Interface) systems.
- Develop control system architecture and prepare detailed technical drawings and schematics.
- Program PLCs and HMIs according to project and process requirements.
- Configure and calibrate instrumentation and control devices.
- Integrate control systems with existing manufacturing processes and equipment.
- Conduct system testing to ensure functionality, safety, and reliability.
- Perform routine maintenance and emergency troubleshooting on control systems and related equipment.
- Diagnose and repair hardware, software, and system issues.
- Collaborate with cross-functional teams on project development and implementation.
- Manage project timelines and ensure deliverables meet quality standards.
- Maintain accurate and up-to-date documentation for all control systems and modifications.
- Ensure compliance with relevant industry standards and safety regulations.
- Stay updated on industry trends and best practices to drive innovation and continuous improvement.

Qualifications and Eligibility:

You have an educational background in a relevant field, coupled with experience in the industry. You are a highly detailed, focused strategic thinker with excellent analytical and relationship-building skills. You enjoy solving problems in collaboration with a small team and have strong communication skills required to do so.

Your qualifications include:

- Bachelor's degree in Electrical Engineering, Control Systems Engineering, or a related field.
- Proven experience in PLC and HMI programming and development.





- Strong knowledge of control system design and instrumentation.
- Proficiency in PLC programming languages such as Ladder Logic, Structured Text, or Function Block.
- Familiarity with various PLC and HMI brands and their respective software (e.g., Siemens, Allen-Bradley, Omron).
- Excellent analytical, troubleshooting, and problem-solving skills.
- Ability to work collaboratively in a team environment.
- Strong communication and interpersonal skills.

All interested and qualified candidates are asked to submit their cover letter and resume to mhiscock@verschurencentre.ca. Please reference the job title in which you are applying for in your cover letter and email subject.

