



## About CEL

The CEL Group of Companies (CEL) comprises Conviron Canada, Conviron USA, Conviron Europe and Conviron Australia - together forming the world's leading designer and supplier of controlled environments for plant growth. CEL Group also includes Argus Controls, one of the leading suppliers of plant-centric environmental controls and automation systems used in greenhouse and indoor growing facilities. Together, Conviron and Argus provide technologies to our clients in the plant science research and commercial horticulture industry in over 90 countries.

CEL is proud to be part of Madison Air, a Madison Industries company. Madison Industries is one of the largest and most successful companies in the world. Madison builds entrepreneurially driven, branded market leaders that are committed to making the world safer, healthier and more productive by creating innovative solutions that deliver outstanding customer value. The team at Madison is committed to building something truly remarkable that long outlasts them while coaching others to reach their highest potential.

## Position Summary

The **Controls Engineer** is responsible for the design, specification, and support of control systems used in controlled environments (Greenhouses and Controlled Environment Rooms). This role translates project requirements into electrical designs, reviews/approves schematics and BoM's, and validates designs through testing and risk assessment. The Controls Engineer/Designer collaborates with cross-functional teams to support manufacturing, installation, and service while driving standardization in accordance with applicable codes, regulations, and industry standards.

Reporting to: Team Lead - Commercial Engineer

Work Location: Winnipeg, Canada (Remote will be considered)

Apply at [www.conviron.com](http://www.conviron.com) or send cover letter and resumes to [HR@Conviron.com](mailto:HR@Conviron.com).

## RESPONSIBILITIES

- Design and release control systems for controlled environment products, including drawings, schematics, and Bills of Materials.
- Configure software to control Greenhouses and Controlled Environment Rooms.
- Document control sequence of operations used for each project.
- Translate project requirements into engineering specifications.
- Support manufacturing, supply chain, quality, installation, service, and commissioning teams throughout the product lifecycle.
- Collaborate with R&D on design changes to improve product performance, standardize products, reduce material cost, and comply with industry regulations.
- Collaborate with internal teams, suppliers, and customers to improve product design.



- Provide support to Installation, Commissioning, and Service teams to troubleshoot and root cause control systems in the field.
- Review, evaluate, and approve designs to ensure quality, compliance, and on-time delivery.
- Conduct engineering risk assessments when appropriate and make recommendations to leadership.

### **DESIRED QUALIFICATIONS**

- B.Sc. or Diploma in Electrical, Electronic, or Computer Engineering/Technology
- 10+ years of experience in Control System Design or related field
- Experience designing low voltage and high voltage systems up to 600V and three phase applications
- Experience with PLC-based automatic control systems using sensor feedback and set-point driven logic.
- Strong knowledge of PLC/DDC systems, electrical controls, and communication protocols (BACnet, Modbus, etc.)
- Experience with BOMs, ERP systems, and engineering change processes
- Understanding of industry standards (UL, CE)
- Strong troubleshooting, problem-solving, and communication skills

### **Preferred Qualifications**

- P. Eng designation.
- 2+ years of experience in HVAC electrical design and development.

### **ADDITIONAL DETAILS**

- Duration: Full-Time/Permanent: on-site

Compensation: Successful candidate will be remunerated based on their skills and experience.

Closing Date: Once a suitable candidate is selected

### **DIVERSITY & INCUSION COMMITMENT:**

We are committed to creating a diverse and inclusive environment. At Conviron our unwavering commitment is to foster an inclusive and diverse workplace that reflects our global community. We firmly believe that diversity is our greatest strength and cornerstone of our corporate culture. We strive to create an environment where every employee, regardless of their background, identity, or beliefs, feels valued, respected, and empowered to contribute their unique perspectives and talents. We recognize that by celebrating our differences and ensuring equitable opportunities for all, we can unlock the full potential of our teams, drive innovation and growth while making a positive impact on the world. Together, we are dedicated to creating a workplace where every voice



is heard, and every individual can thrive, thus making our company and our world a safer, healthier, and more productive place.

Persons with disabilities who anticipate needing accommodation can contact [hr@conviron.com](mailto:hr@conviron.com) in confidence. Reasonable accommodation can and will be provided at all stages of the application process and once hired.