



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 **Electrical Engineer** is responsible for the design, specification, and support of control panels and electrical assemblies (climate control, AHUs, lighting) used in controlled environment systems. This role translates project requirements into electrical designs, develops schematics, and bills of materials, and validates designs through testing and risk assessment. The electrical engineer 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: Manager, Sustaining Engineering

Work Location: Winnipeg, Canada

Apply at www.conviron.com or send cover letter and resumes to HR@Conviron.com.

RESPONSIBILITIES

- Design and release electrical systems for controlled environment products, including drawings, schematics, and Bills of Materials.
- Lead and implement 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.
- Translate project requirements into engineering specifications.
- Conduct troubleshooting and root cause analysis on electrical and control systems.
- Review, evaluate, and approve designs to ensure quality, compliance, and on-time delivery.
- Support manufacturing, supply chain, quality, installation, and service teams throughout the product lifecycle.



- Conduct engineering risk assessments when appropriate and make recommendations to leadership.
- Develop and maintain CAD models, schematics, and wiring diagrams.

DESIRED QUALIFICATIONS

- B.Sc. or Diploma in Electrical, Electronic, or Computer Engineering/Technology
- 8+ years of experience in Electrical Control System Design
- Experience designing high voltage systems up to 600V and three phase applications
- Strong knowledge of PLC/DDC systems, electrical controls, and communication protocols (BACnet, Modbus, etc.)
- Proficient in CAD modeling (SolidWorks is an asset)
- Experience with BOMs, ERP systems, and engineering change processes
- Understanding of industry standards (UL, CE) and product lifecycle management
- 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 & INCLUSION 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 in confidence. Reasonable accommodation can and will be provided at all stages of the application process and once hired.