

About Controlled Environments Limited (CEL)

Acquired by Madison Industries in 2022, CEL is recognized as the leading global manufacturer of plant growth chambers and rooms. Our controlled environment technology uniquely equips researchers and growers with solutions to meet global demands for plant-based food and health products. CEL's projects range from small single-chamber installations to large scale, multi-room facilities in some of the most prestigious corporate, university and research institutions in over 90 countries around the world.

We are an entrepreneurial organization built on the expertise of our people and are committed to attracting and retaining employees who are curious, and learning orientated to ensure we meet the ever-evolving needs of our clients. Our employees enjoy competitive salaries, benefits and reward programs, within an engaging and collaborative work environment. Conviron recognizes that our continued success is dependent on the growth of our people, and therefore encourages and supports employees' continual development.

Position Summary – Senior Electrical Engineer

Reporting to: Engineering Team Lead

Responsibilities & Duties

- The Electrical Designer/EIT/Engineer (including Senior positions) is responsible for anything related to electrical design. Specific responsibilities and duties include but are not limited to the following:
 - Translate project requirements into engineering specifications.
 - Design, specify, test, and validate electrical components/products to ensure they meet project requirements while maintaining compliance with applicable codes and regulations.
 - Conduct formal engineering risk assessments when appropriate and make recommendations.
 - Conduct troubleshooting and root cause analysis when necessary.
 - Estimate cost and time required to complete various design activities.
 - Collaborate with:
 - Design Engineering peers and contribute to design reviews.
 - Cross-functional teams during special projects.
 - Test Engineering to establish test plans and define test protocols.
 - Provide engineering support to Sales, QA, Production, Purchasing, Installation, and Services.
 - Create and maintain engineering documentation in accordance with industry standards that facilitates purchasing, manufacturing, installation, and use of Conviron equipment. This includes bill of material's, drawings, schematics, and CAD models.

- Create and maintain department policies, procedures, and work instructions to enhance productivity.
- Address non-conformances and respond to corrective actions in a timely fashion.
- Develop solutions in line with 80/20 principles.
 - Product Line Simplification (PLS): standardize, communize, and simplify product designs wherever practicable.
 - Material Cost Reduction (MCR): look for or support opportunities to reduce material costs in designs.
 - Client Line Simplification (CLS): treat clients fair but different.
- Respect and protect all proprietary information generated at Conviron.
- Professional Engineers may be required to seal drawings.
- Other responsibilities and duties as assigned.

Key Attributes

- Experience designing high voltage systems up to 600V and three phase applications
- Experience designing control systems
- Proficient in 3D modelling (Solidworks experience is an asset)
- Experience designing electrical systems and understanding codes in NA. EU and/or Australia is an asset.

Desired Qualifications

- B.Sc in Electrical Engineering
- 15 years of experience in Electrical Design

Don't meet every single requirement?

We are committed to creating a diverse and inclusive environment, so we strongly encourage you to apply even if you don't believe you meet every single qualification outlined. At CEL, 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, driving 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 accommodations can contact hr@conviron.com in confidence. Reasonable accommodations can and will be provided at all stages of the application process and once hired.

Additional Details

- Duration: Full-Time/Permanent
- Compensation: Successful candidate will be remunerated based on their skills and experience.
- Closing Date: Once a suitable candidate is selected.

How to Apply

*Please include the title of role in your subject line. Applicants should submit a resume for consideration to: hr@conviron.com

Conviron

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