

Price Industries Ltd. - Electrical Engineering Designer Technologist

Winnipeg, MB

Location

Winnipeg, MB

Benefits

- Dental care
- Employee assistance program
- Life insurance

Full job description

SolutionAir, a division of **Price Industries Limited** is a leading manufacturer and distributor of air handling, and precision control equipment (www.solutionairgroup.com) is a dynamic, progressive and innovative organization looking for new talent in our growing Winnipeg office and manufacturing facility. If you thrive on new challenges, pushing yourself to new heights and working in a team-driven environment, you should consider the following opportunity.

What We Offer:

- Health and Dental - Employees and their families enjoy flexible benefits options covering an extensive list of medical and dental expenses and services.
- Life and Disability - You will be provided with life insurance in a multiple of your salary with an option to purchase additional coverage.
- Employee and Family Assistance Program (EFAP) - You and your family will have free access to consultation and support for your mental, emotional and financial well-being.
- Pension Matching Program - Invest in your future with each pay cheque through our Defined Contribution Pension Plan and we will match your contribution (up to 3% of your salary).
- EQ Care® - You and your family will have free access to speak with a doctor by phone or app from wherever you are.
- PocketPills - You and your family will have free access to Canada's first Digital Pharmacy, PocketPills enables you to call, text or email the pharmacy care team from wherever you are. You will enjoy free delivery of your prescriptions and vitamins straight to your home.

- Gym Subsidy Program- Employees are eligible for a gym membership reimbursement of up to \$300 per year, this includes Fitness related App's.

Electrical Engineering Designer/Technologist

The Candidate will be a key member of the engineering organization responsible for design, development and implementation of the electrical systems for HVAC products that meet or exceed best in class performance.

The successful candidate's responsibilities will include:

- Complete the electrical system design for production orders including the production/manufacturing package, purchased part specifications, standards, and drawings.
- Analysis and evaluation of engineering designs, drawing reviews, completing Bills of Material, ensuring quality and on time completion.
- Support manufacturing, sales & marketing, applications, quality, supply chain, and customer service through the entire product lifecycle.
- Interface with suppliers, internal and external customers, and internal and external field personnel to support the sales, design, manufacturing, commissioning, and service of HVAC products.
- Coordinate with Development and Test Engineering to improve design for manufacturing (including panel layout and wiring harness).
- Initiate design changes to standardize SolutionAir products.
- Initiate design changes to improve and find efficiency in SolutionAir products.
- initiate and track design changes required due to extenuating circumstance like supply chain challenges.
- Support and troubleshoot electrical and controls to assist technical field service personnel.
- Overall responsibility for all aspects of electrical design requirements of all product families.
- Support system design engineering, product engineering, manufacturing, sales & marketing, quality and supply chain functions.
- Interface with vendors, customers and field personnel.
- Complete all necessary product changes needed to support production, supply chain, and external customers.
- Work with 3D CAD systems for completing models and drawings including schematics, panels, and wiring routing/diagrams.

The ideal candidate for this position will have:

- Bachelor's degree in electrical/Electronic/Computer Engineering or Technologist Diploma in Electrical/instrumentation/Electronic/Computer Technology.
- Registered or eligibility for registration with EGM or CTTAM(or Equivalent)
- 3 years in product design and development of large mechanical, commercial, or HVAC equipment.
- Knowledge of electrical and control system design (PLC and DDC applications), and development of theory of operations.
- Experience in design release for production and Engineering Change Controls including MRP systems, Bills of Materials, DFMA, 3D CAD design, wire harness design and routings, cable design and routings using SolidWorks (Other CAD acceptable)
- Knowledge of IP, BACnet, LONtalk and ModBus communication protocols.
- Experience in developing and implementing unit tests for electrical systems and controls verifications. (Factory Acceptance Tests and QA)
- Experience in the design of the electrical power distribution system and schematics/circuit diagrams using SolidWorks
- Experience in the design and integration of electrical/electronic circuit design and analysis, including digital electronics, microprocessors, instrument quality, analog electronics, power electronics, power supply design, etc.
- Knowledge of applicable industry standards and agency compliance, including UL and CE certifications.
- Thorough appreciation and understanding of the complete product development life cycle, including definition, implementation, industrialization, sales, and support.
- Strong communication and organizational skills.
- Knowledge of programming using Visual C++, C#. visual Basic, Java, JavaScript, PHP, Python.
- Valid passport is required for travel in North America.
- On-the-Job experience in evaluating and managing risks, solving problems, and achieving project objectives.
- Ability to work collaboratively in a team environment.
- Confident working hand-on, Safely, with electrical systems up to 600v AC
- Self-motivation, innovation drive, accountability, and ownership.

Should this excellent opportunity interest you, please submit your resume, including salary expectations.

SolutionAir hires on the basis of merit and is strongly committed to equity and diversity. We welcome applications from all qualified candidates, including all genders, Indigenous peoples, persons with disabilities, members of visible minorities, individuals of diverse gender and sexual orientation and all groups protected by the Human Rights Code. We are happy to provide reasonable accommodations throughout the selection process and while working at Price. If you require support applying online because you are a person with a disability, please contact us at HR@priceindustries.com .

We appreciate the interest shown by all applicants, however only those being considered for an interview will be contacted.

Click [here](#) to apply on Indeed.