

ELECTRICAL DESIGNER

LOCATION TORONTO, CA

PIA Automation offers the ideal working environment for people with **Passion, Inspiration and Ambition**. We stand for the future of automation and offer technically complex and sophisticated automation solutions.



Responsibilities:

The role of electrical manufacturing designer is to be responsible for design activities related to the manufacturing of automated assembly lines.

- Analyze design specifications and customer requirements
- Design electrical subsystems including cables and electrical cabinets involving pneumatic, electrical and electronic components
- Select appropriate purchased components
- Produce drawings and bills of materials using CAD and ERP tools
- Review drawings for accuracy, material selection, assembly techniques, etc.
- Analyze designs and systems for compliance to applicable standards
- Develop a test plan to verify that the equipment meets all relevant specifications including safety standards
- Communicate with vendors for technical information and specifications
- Communicate with technical managers, project managers and project team members regarding all aspects of the project
- Assist the builders of the equipment in the resolution of problems to complete the project
- Test functions of equipment include component testing and system testing
- Assist the field service technicians to troubleshoot problems as required
- Prepare documentation including set-up manuals and service manuals

Requirements:

- A post-secondary diploma or degree in electrical design, electrical engineering
- 3+ years relevant working experience
- Ability to use CAD tools (AutoCAD Electrical) and or Eplan effectively in the design work
- Knowledge of applicable safety and electrical code standards
- Knowledge of existing technologies in electrical design
- Must have a valid Ontario G Driver's License
- Must be able to multi-task and prioritize issues
- Proficiency in English
- Must be able to travel internationally

What do we offer?

- Excellent in-house training programmes (PIA Academy)
- PIA Life, because we care about the well-being of our employees
- International working experience at PIA locations worldwide
- Medical insurance

**WORKING
AT PIA.**

PIA Automation Canada Inc.

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**Interested?
Apply online here:**

