



Position Title: PLC Programmer
Department: Control Systems Design

MAJOR DUTIES:

Design and implement control programs specific to customer and project requirements, involving PLC's, Robotics, HMI's and computers, separately or in combination.

SPECIFIC RESPONSIBILITIES:

- Develop real-time control system software for automated assembly systems, including the programming of PLC's, Servo Controllers, Robots and Vision Systems.
- Develop human machine interfaces (HMI) using commercially available industrial products, SCADA nodes or custom GUI's written in Visual Basic or Visual C++.
- Work with mechanical and electrical designers to ensure the control system will meet performance, reliability and functionality requirements.
- Perform on site commissioning and startup by demonstrating system's capability once the equipment has been shipped to the customer's site.
- Design PLC programs specific to customer and project requirements based on standard CMP programming methods.
- Debug and commissions PLC programs on our shop floor during systems integration stage and then on the customers site during installation.
- Work with other members of the control systems design department and other groups to continuously improve methods of integrating controls technology, with the goals being enhanced safety, enhanced functionality, and reduced cost.
- Work with customers, project managers, designers, toolmakers, and electricians to solve problems in order to provide the customer with a complete functional system.
- Provide thorough testing of machine functionality to verify PLC program completeness.
- Provide accurate documentation for each project.
- Inform customer project personnel regarding documentation and advises them on solving technical problems.
- Provide customer with training specific to their current project, e.g. machine operation, programming principles, and program structure.

QUALIFICATIONS:

Education:

A post-secondary technology diploma, engineering degree or equivalent, specializing in electronics electrical or controls technology.

Experience:

Minimum two years programming and troubleshooting experience with current PLC hardware, and programming software, preferably in an industrial automation environment.