

Automation PLC Engineer

CareGo - Burlington, ON

CareGo Technologies is currently hiring for the position of Automation PLC Engineer - Material Handling Devices - Industrial Cranes.

JOB OVERVIEW

The Automation PLC Engineer has responsibilities for the completing and assisting with all aspects of Industrial Crane Systems automation. This position will provide automation systems, engineering support, implementation, and design and coding of industrial automated handling systems. The Automation PLC Engineer will be responsible for the design and maintenance of automated material handling systems, PLC control system integration, analysis of vendor supplied equipment, project installation, and testing and start-up support. The position will also require support for on-going operations and maintenance functions, identifying and supporting the implementation of system improvements and resolution of component failures. Excellent communication skills and the ability to complete work in a timely manner is required to support client implementation projects.

RESPONSIBILITIES

PLC and HMI Design and Programming - Work with the development team in the design, programming, documentation and testing of PLC programs and HMI consoles. Commissioning of the PLC programs and HMI components. Setup and configuration of the automation equipment and field devices. Support of the equipment and programs post installation. Maintenance and update of documentation for the above systems (diagrams, panel drawings and manuals) Develop electrical drawings and ordering of equipment with 3rd party firms. Design and develop comprehensive equipment networks. Coordinate with suppliers and Panel builders in the procurement and building of the automation and safety equipment. Site Coordination - Coordinate and assist in site activities including contractor installations. Installation of automation and safety equipment, including testing. start-up and commissioning of equipment. Creation of cost estimates for proposed solutions. Coordination with manufacturers, 3rd party vendors and integrators. Provide timely resolution and troubleshooting of technical issues related to HMI and automated control network.

ROLE REQUIREMENTS

10-15 years of relevant experience. * Undergraduate or graduate degree in electrical engineering or automation technology. * High level of knowledge and experience with PLC and HMI programming (ladder logic, function blocks, etc). * High level of proficiency in PLC and HMI programming and troubleshooting: Rockwell Automation, RS Logix 5000, Control/Logix, RSSql, Factory Talk, RS Emulate EthernetIP. * Strong ability to abstract and organize solutions and code. * Knowledge and demonstrated previous use of Allen Bradley programmable logic controllers and I/Os in an industrial setting. * Implementation experience in large scale automation systems and retrofits. * Electrical Engineering background and degree with a practical experience wiring and troubleshooting electrical systems. * Experience working with customers and managing contractors. * Experience in maintenance and troubleshooting of complex automated systems. * Experience with automated material handling equipment (cranes

specifically) would be an asset. * Experience programming Variable Frequency Drives. * Ability to implement and maintain our in-house built automation control systems, automation hardware, network and software. * Ability to effectively manage project timelines and multiple tasks. * Ability to manage and work with people in an industrial environment. * Excellent English written and oral communications skills.

Travel Requirements: 50%+

We would like to thank all applicants for their interest, however, only those candidates under consideration will be contacted.

Required experience:

- PLC Programming: 5 years