

Automation Senior PLC Programmer

Job ID: MFS295 (AD)
Job Posted: September 17, 2021
Job Closes: October 25, 2021

Full Time Permanent

Wages: Competitive w/Excellent Benefits

Description

Design and implement logical, organized PLC and HMI programs to produce efficient, fully functional automation system control that meets specifications within the timeline and budget provided.

RESPONSIBILITIES

Create functional PLC and HMI Programs offline using mechanical and controls design and information.

Develop and implement the communication and IO interfacing between devices and systems

Install offline program into the machine and troubleshoot IO, communications, machine function (with machine build team) errors and faults that occur within the program

Develop a safety PLC program in accordance with CSA Standards for the automated system and complete testing with system engineer guidance to ensure proper function

Increased understanding of communication between machinery and functionality of custom equipment by gathering and reviewing documentation of devices

Identify inefficiencies within the process along with entire machine build and systems team and make adjustments for improvement

Work with customers, project managers, designers, millwrights and electricians to solve problems in order to provide customers with a complete functional system

Commission the equipment at the customer location by testing the interfacing between equipment, setting up communications between devices, performing I/O checks and completing unit tests

Mentor programmers of varying experience in automation integration

Develop, program and test single or multi-axis automated motion systems that are reliable and safe enough for industrial environments

Integration & troubleshooting of controls & devices for automated motion systems

Completing documentation of motion system performance and capabilities

Develop G-code in a simplified form that allows the end user to make basic modifications to the paths, if touch-ups are needed to the part

Requirements

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