



Job Summary

Job Code	ELEC720-SPE04	Date	2022/01/12
Title	Senior Project Engineer	Department	Electrical Engineering
Work Type	Full Time	Location	Memphis, TN
General job Tasks	<ul style="list-style-type: none"> • Develop job specifications when needed • Evaluate and Estimate jobs • Perform analysis of jobs to create a sequence of operation • Work with customer to develop a set of Approval drawings • Use AutoCAD to create drawings • Manage other AutoCAD users including NCP associates • Check drawings of myself and other engineers • Coordinate with purchasing of pricing for components for jobs • Purchase and track parts required for job • Develop PLC program for job including configuration, comment development, and ladder logic • Develop HMI program for job including configuration, screen development, and PLC logic • Write maintenance manual, and develop a part used listing • Coordinating with site personnel to make sure proper installation is performed • Site commissioning including debug of electrical installation, HMI/PLC configurations, and operational capability • Performing onsite training with maintenance personnel • Reading/making time charts to translate into PLC program • Manage subcontractors for engineering in-house and onsite • Perform electrical checkout of complete equipment in panel shop 		
Responsibilities	<ul style="list-style-type: none"> • Electrical Engineering Quotations • Propose Budget and Engineering Changes • Purchase of Electrical Parts • Hiring of other engineering personnel • Purchase of Software • Arrange travel plans for site checks, meetings, and commissioning • Coordinate with customer on meetings, and changes for job 		
Qualifications	<ul style="list-style-type: none"> • BB.S. degree in Electrical Engineering, Industrial Technology, or equivalent program • Proficient with AutoCAD, Microsoft Word and Excel, Power Point • 10+ years of experience • Proficient with PLC5, PLC500, Control Logix 5000, Omron CX (CS1/CJ2), Mitsubishi (A-series/Q-series), GE Machine Edition (90-30/90-70), Sharp, Yaskawa, Pilz, and Toyopuc PLC software • Proficient with Allen Bradley HMI (600/1000/1000+/Panelview Plus), Omron (NS), Mitsubishi GOT (800/900/1000/2000), Proface, and Cimplicity HMI software. • Proficient with RSNetworks (Ethernet/Controlnet/Devicenet), Omron CX Integrator. Omron Network Configurator, Mitsubishi, and other network configuration software. • Proficient in multiple VFD architectures (AB, Omron, Mitsubishi, Fuji, Yaskawa, et. al.) • Ability to self-train in new software without going through a formal training session • Self-motivated to complete jobs without having to be managed • Excellent analytical and problem-solving skills • Must be able to work extended hours when needed and be able to work at night or weekends • Experience with Automotive Conveyor (Chain/EMS/Friction/et al.) • Japanese or Spanish speaking a plus 		