



Job Summary

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|--------------------------|---|-------------------|------------------------|
| <b>Job Code</b>          | ELEC720-S01   | <b>Date</b>       | 2021/02/17             |
| <b>Title</b>             | Senior Electrical Engineering   | <b>Department</b> | Electrical Engineering |
| <b>Work Type</b>         | Full Time   | <b>Location</b>   | Memphis, TN            |
| <b>General job Tasks</b> | <ul style="list-style-type: none"> <li>• Develop job specifications when needed</li> <li>• Evaluate and Estimate jobs</li> <li>• Perform analysis of jobs to create a sequence of operation</li> <li>• Work with customer to develop a set of Approval drawings</li> <li>• Use AutoCAD to create drawings</li> <li>• Manage other AutoCAD users including NCP associates</li> <li>• Check drawings of myself and other engineers</li> <li>• Coordinate with purchasing of pricing for components for jobs</li> <li>• Purchase and track parts required for job</li> <li>• Develop PLC program for job including configuration, comment development, and ladder logic</li> <li>• Develop HMI program for job including configuration, screen development, and PLC logic</li> <li>• Write maintenance manual, and develop a part used listing</li> <li>• Coordinating with site personnel to make sure proper installation is performed</li> <li>• Site commissioning including debug of electrical installation, HMI/PLC configurations, and operational capability</li> <li>• Performing onsite training with maintenance personnel</li> <li>• Reading/making time charts to translate into PLC program</li> <li>• Manage subcontractors for engineering in-house and onsite</li> <li>• Perform electrical checkout of complete equipment in panel shop</li> </ul>              |                   |                        |
| <b>Responsibilities</b>  | <ul style="list-style-type: none"> <li>• Electrical Engineering Quotations</li> <li>• Propose Budget and Engineering Changes</li> <li>• Purchase of Electrical Parts</li> <li>• Hiring of other engineering personnel</li> <li>• Purchase of Software</li> <li>• Arrange travel plans for site checks, meetings, and commissioning</li> <li>• Coordinate with customer on meetings, and changes for job</li> </ul>  |                   |                        |
| <b>Qualifications</b>    | <ul style="list-style-type: none"> <li>• BB.S. degree in Electrical Engineering, Industrial Technology, or equivalent program</li> <li>• Proficient with AutoCAD, Microsoft Word and Excel, Power Point</li> <li>• 10+ years of experience</li> <li>• 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</li> <li>• Proficient with Allen Bradley HMI (600/1000/1000+/Panelview Plus), Omron (NS), Mitsubishi GOT (800/900/1000/2000), Proface, and Cimplicity HMI software.</li> <li>• Proficient with RSNetworks (Ethernet/Controlnet/Devicenet), Omron CX Integrator. Omron Network Configurator, Mitsubishi, and other network configuration software.</li> <li>• Proficient in multiple VFD architectures (AB, Omron, Mitsubishi, Fuji, Yaskawa, et. al.)</li> <li>• Ability to self-train in new software without going through a formal training session</li> <li>• Self-motivated to complete jobs without having to be managed</li> <li>• Excellent analytical and problem-solving skills</li> <li>• Must be able to work extended hours when needed and be able to work at night or weekends</li> <li>• Experience with Automotive Conveyor (Chain/EMS/Friction/et al.)</li> <li>• Japanese or Spanish speaking a plus</li> </ul> |                   |                        |