

System Control Engineer

RICHTER ENGINEERING SDN. BHD.

Kuala Ketil, Kedah
Electrical/Electronic Engineering
Full time

Job Description

Developing, coding, testing, and troubleshooting PLC programs based on project requirements and User Requirement Specifications (URS). Candidate will required integrate PLC systems with other control systems, such as Human Machine Interfaces (HMIs), Distributed Control Systems (DCS), Siemens or Supervisory Control, Data Acquisition (SCADA) systems and AI integration.

Key responsibilities

- Develop, code, test, and troubleshoot PLC programs based on project requirements and User Requirement Specifications (URS)
- Integrate PLC systems with other control systems, such as Human Machine Interfaces (HMIs), Distributed Control Systems (DCS), Siemens or Supervisory Control, Data Acquisition (SCADA) systems and AI integration
- Collaborate with electrical engineers to design electrical control systems, create wiring diagrams, and develop documentation for PLC installations and modifications
- Participate in the installation, commissioning, and testing of machines and PLC systems to ensure proper functionality and adherence to safety standards
- Diagnose and resolve issues related to PLC programs, hardware, or network communications
- Perform regular maintenance tasks, including backups, software updates, and system optimizations
- Work closely with cross-functional teams, including engineers, technicians, project managers, and end-users, to understand requirements, provide technical support, and deliver efficient solutions
- Create and maintain detailed documentation, including program descriptions, user manuals, technical specifications, and change logs
- Ensure compliance with industry standards, regulations, and safety protocols while designing and implementing PLC programs

- Provide training and support to end-users, clients or operators on the operation and maintenance of PLC systems