

PLC application for control and monitoring systems of lifting and transport machinery

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Abstract: This topic focuses on applying a Programmable Logic Controller (PLC) system to improve the performance of a lifting and transport control system. The proposed context is based on practical scenarios where lifting processes require high precision and stability. The objective is to develop an integrated PLC solution to optimize operational processes. The research methodology includes both theoretical analysis and practical application deployment. Expected results will enhance system performance, reduce errors, and increase reliability, making a significant contribution to the field of automation technology.

Keywords: PLC, Control System, Lifting and Transport Machinery, Automation, Practical Application