

PLC application for industrial elevator control system using squirrel cage induction motor.

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Abstract: This topic aims to research and apply Programmable Logic Controller (PLC) to the control system of industrial elevators, especially with squirrel-cage induction motors. The practical context requires improvements in performance and safety of industrial lifting equipment. Through a combination of theoretical research and experimentation, the topic will identify specific technical requirements for the PLC and implementation methods to optimize elevator operation. The expected results will make a significant contribution to enhancing work productivity and ensuring safety in the construction and transportation industries.

Keywords: PLC, asynchronous motor, industrial elevator