

Design of a control and monitoring system for a brick production line using PLC S7-1200 and WinCC.

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Abstract: This topic focuses on the design and implementation of an automatic control and monitoring system for a brick production line, based on PLC S7-1200 technology and WinCC software. The objective of the research is to optimize the production process by integrating advanced control features with overall system management. The applied method includes both theoretical and experimental research to ensure the efficiency and reliability of the system. The expected results will contribute to the development of automation technology in the building materials manufacturing industry.

Keywords: PLC S7-1200, WinCC, automation, production line management, bricks