

Design of drying equipment in a tea production line using PLC S7 1500 and simulation on WinCC.

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Abstract: In the practical production of tea, ensuring the quality and efficiency of the drying process is an important issue. This project aims to design an automation system to improve the effectiveness of tea drying by using a Programmable Logic Controller (PLC) S7 1500 combined with Wincc simulation software. The research method includes analyzing requirements, selecting appropriate technical solutions, and implementing the system based on that. The project is expected to contribute to improving the tea production process and enhancing work productivity.

Keywords: PLC S7 1500, Wincc, automation, tea drying, production line