

Building a product classification system model by weight using PLC Fx3U and a WinCC monitoring control interface.

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Abstract: This topic focuses on building an automatic classification system for products based on their usage volume, using the PLC Fx3U as the central processor. The main objective is to develop an efficient solution for managing and monitoring the usage process of products through the WinCC control interface. Through research, design, and practical implementation, the topic aims to provide a powerful support tool for optimizing usage and minimizing waste in the production system. This result not only enhances management efficiency but also contributes to the sustainable development of the industry.

Keywords: PLC Fx3U, WinCC, product classification, usage management, monitoring