

Building a smart factory monitoring system.

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Abstract: In the context of increasingly advanced digital technology, building a smart factory monitoring system has become an urgent requirement to optimize production processes. This topic focuses on developing a system that integrates IoT and AI technologies to automate quality and safety management in factories. The research method is based on a combination of theoretical analysis and experimentation to ensure the system's effectiveness and sustainability. The ultimate goal is to provide a powerful application solution to enhance productivity and product quality in modern manufacturing environments.

Keywords: Smart monitoring system, IoT, AI, Factory management, Process optimization