

Building a control and monitoring system for the furnace of the Luu Xa steel plant.

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Abstract: This topic addresses the necessity and importance of building an automatic control and monitoring system for the furnaces at the Luu Xa steel plant. The main objective is to develop an effective solution to optimize the production process, improve product quality, and ensure workplace safety. The research methodology includes both theoretical and experimental approaches to build an intelligent system based on automatic sensors and real-time data analysis. The expected result is a robust automation system that contributes to increasing labor productivity and minimizing incidents during the steelmaking process.

Keywords: Automatic control system, Steel smelting plant, Furnace monitoring, Automatic sensors, Real-time data analysis