

Design of control and monitoring system for steel production process at an Iron and Steel plant

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Abstract: This topic aims to study the design of a control and monitoring system for the steel production process with the goal of optimizing plant operational efficiency. The context for selecting this topic is based on the practical necessity to improve the quality and reliability of the steel production process. Through research, the topic applies a combination of theoretical and experimental methods to build an automatic control system for the production process. The expected result is to improve operational performance while enhancing monitoring capabilities in the steel plant.

Keywords: Control system, Process monitoring, Steel production, Steel plant, Process optimization