

# **Control - monitoring to stabilize the speed of a three-phase asynchronous motor on WinCC.**

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**Abstract:** The topic context is based on practical needs, with a high demand for speed stability in three-phase induction motor systems. The objective of the project is to build and deploy an intelligent control and monitoring system on the WinCC platform to effectively manage the operation process. The research methods include experimentation, practical testing, and data analysis. The project is expected to make significant contributions to the electronics and automation industry, while providing advanced technical solutions for energy management.

**Keywords:** Three-phase asynchronous motor, WinCC, control - monitoring, speed stabilization, automation system