Monitoring three-phase motor activity via mobile phone

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Abstract: In the context of the increasing use of mobile phones in industrial monitoring and energy management, this topic focuses on developing a system for monitoring three-phase motor operation through a mobile platform. The objective of the research is to build an effective solution for remote monitoring of motor operating status and maintenance, aiming to optimize productivity and reduce operational costs. Through a combination of theoretical research and experimental methods, the topic applies electromagnetic sensor technologies and machine learning algorithms to analyze motor performance directly from mobile devices. The expected result is to provide a practical solution for businesses in enhancing energy management and maintaining the reliability of power systems.

Keywords: Engine monitoring, Mobile phone, Sensor technology, Machine learning algorithm