Design of the electrical equipment system for a 10-ton overhead crane

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Abstract: In the context of increasingly developed industry, the demand for using overhead cranes in cargo lifting operations has become indispensable. This project aims to design an electrical equipment system for a 10-ton overhead crane with the goal of optimizing work efficiency and ensuring safety. Through theoretical research combined with experimentation, the project identifies a suitable electronic design method. The expected results will make an important contribution to the cargo lifting industry.

Keywords: 10-ton overhead crane, electrical equipment system, performance optimization, work safety, experimental research