

Design of power supply system for mechanical workshop and Z131 factory

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Abstract: In the context where energy is increasingly becoming a key factor determining production efficiency, this topic focuses on designing the power supply system for the mechanical workshop and Z131 factory. The objective of the study is to enhance stable and safe power supply capabilities and optimize system operating costs. Through a combination of theoretical research and experimentation, the topic has identified technical solutions suitable for the factory's characteristics. The expected results of this project are to increase production efficiency, ensure stable power supply capacity, and minimize operational risks. This is not only a step forward in power source management for the mechanical industry but also makes an important contribution to enhancing the competitiveness of the Z131 factory.

Keywords: Power supply system, Mechanical workshop, Z131 Factory, Electrical engineering, Production productivity