

Design of power supply system for mechanical workshop No. 3 and FUTU1 factory.

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Abstract: This topic focuses on designing a power supply system for two industrial sites: Mechanical Workshop No. 3 and the FUTU1 factory. The context for selecting this topic stems from the need to optimize energy, enhance stability, and improve efficiency in the production process. The objective of the research is to build an electrical system that ensures sufficient energy supply for continuous and reliable operations at these locations. The method combines theoretical research on power management with experimental design. The expected outcome is that the topic will contribute to the development of advanced technology in the energy field, while also providing useful solutions for the mechanical and industrial sectors in general.

Keywords: power supply system, power source management, mechanical engineering, FUTU1 factory, renewable energy