Design of power supply system for 19/5 mechanical factory.

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Abstract: This topic aims to research and design a power supply system for the 19/5 mechanical factory, meeting the requirements for stability and safety during the production process. Through analyzing the existing issues of the electrical system at the factory, we identify the main objective as optimizing backup power sources and improving the operational efficiency of mechanical equipment. The research method includes using power network system modeling for simulation, thereby proposing suitable technical solutions. It is expected that the results of the topic will provide the factory with a reliable system, contributing to enhanced productivity and operational efficiency.

Keywords: Power supply system, Mechanical factory, Power source optimization, Power network system modeling, Production productivity