

Design of power supply system for Quoc Bao high-end furniture manufacturing factory.

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Abstract: This topic focuses on the design and implementation of an efficient power supply system for the Quoc Bao high-end furniture manufacturing factory. With the rapid growth of the furniture industry, energy issues have become more important than ever. The objective of the research is to optimize electricity usage and enhance operational productivity during the production process. The applied method combines energy management theory with factory experimentation to ensure that the new system can meet energy efficiency requirements while complying with current regulations. The expected results will significantly contribute to improving the factory's competitiveness in the global furniture market.

Keywords: Energy, Energy management, Power supply system, Furniture manufacturing plant, Energy control