

Design of power supply system for mechanical workshop No. 2 and Z11 mechanical factory.

Do Manh Quyen

Abstract: This topic focuses on designing an efficient power supply system for mechanical workshop No. 2 and the Z11 mechanical plant, aiming to meet the energy demands of production activities. The research objectives include assessing the current state of the electrical system, identifying weaknesses, and proposing optimal technical solutions. Using a comprehensive approach combining energy management theory and on-site experimentation, this project seeks to improve stable power supply capability and cost savings for the plants. The expected research results are highly applicable in enhancing operational efficiency and reducing electricity consumption.

Keywords: Power supply system, Mechanical workshop, Mechanical factory, Energy control, Electrical system architecture