

Design of electrical equipment system and simulation of 7-floor elevator operation

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Abstract: The topic aims to research and design an electrical equipment system for a seven-story building, with a focus on simulating the efficient operation of the elevator. The context of the topic is defined by the need to optimize energy and ensure safety in the operation of modern elevator systems. Through a combination of theoretical and experimental methods, the topic is expected to build an electronic model to test the performance of elevator equipment. The results of this research are not only highly applicable in building management but also provide a scientific basis for improving elevator technology.

Keywords: electrical equipment system, elevator simulation, energy management, operational safety, system design