

Design and construction of a Solar Tracker system

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Abstract: In the context of increasing emphasis on renewable energy, this topic focuses on the design and construction of an efficient Solar Tracker system. The goal is to improve the efficiency of solar energy utilization by adjusting the direction of sunlight onto solar panels. The research method includes synthesizing theories on mechanical leverage and applying experimental optimization of position over time. The topic is expected to bring significant meaning in enhancing energy efficiency, contributing to the goal of reducing dependence on traditional energy sources.

Keywords: Solar Tracker, renewable energy, mechanical lever, solar panels