

Design of a wind energy system for agricultural use

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Abstract: In the context of climate change and the gradual depletion of traditional energy sources, this topic focuses on designing a system that utilizes wind energy to address the electricity supply for agricultural activities. The objective of the research is to build a diversified energy model combining wind power systems with other energy sources to optimize performance. The implementation method includes both theoretical research on wind power technology and experimentation at test sites. This topic hopes to make significant contributions to the agricultural sector by enhancing energy self-sufficiency and reducing operational costs.

Keywords: Wind energy, Agriculture, Sustainable energy systems