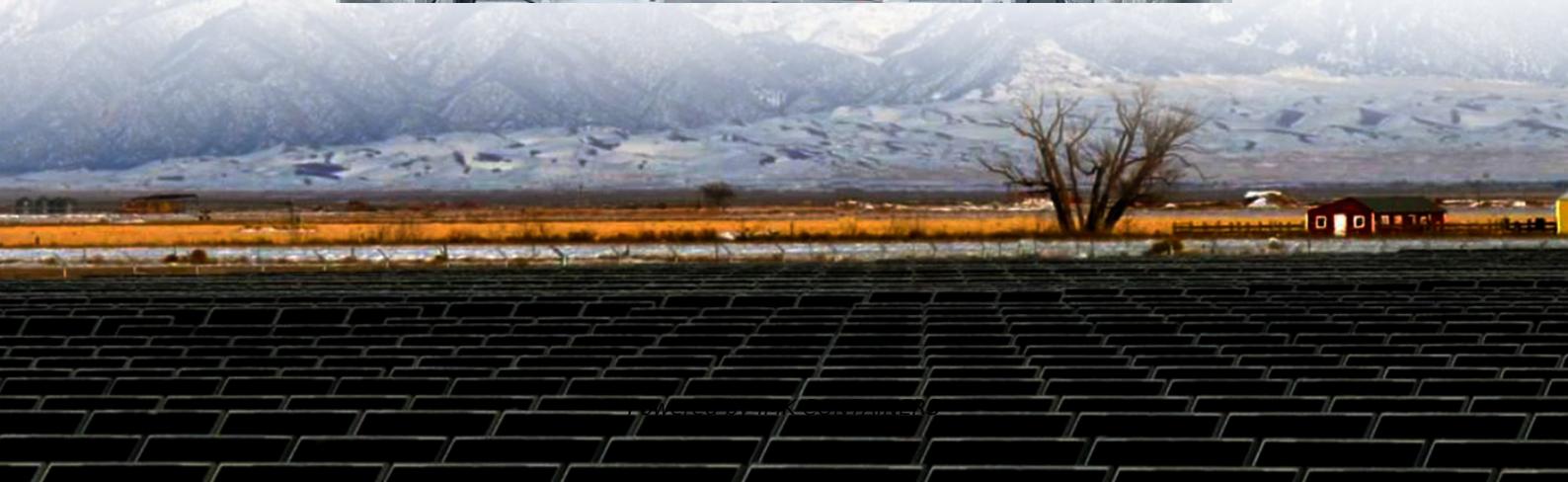
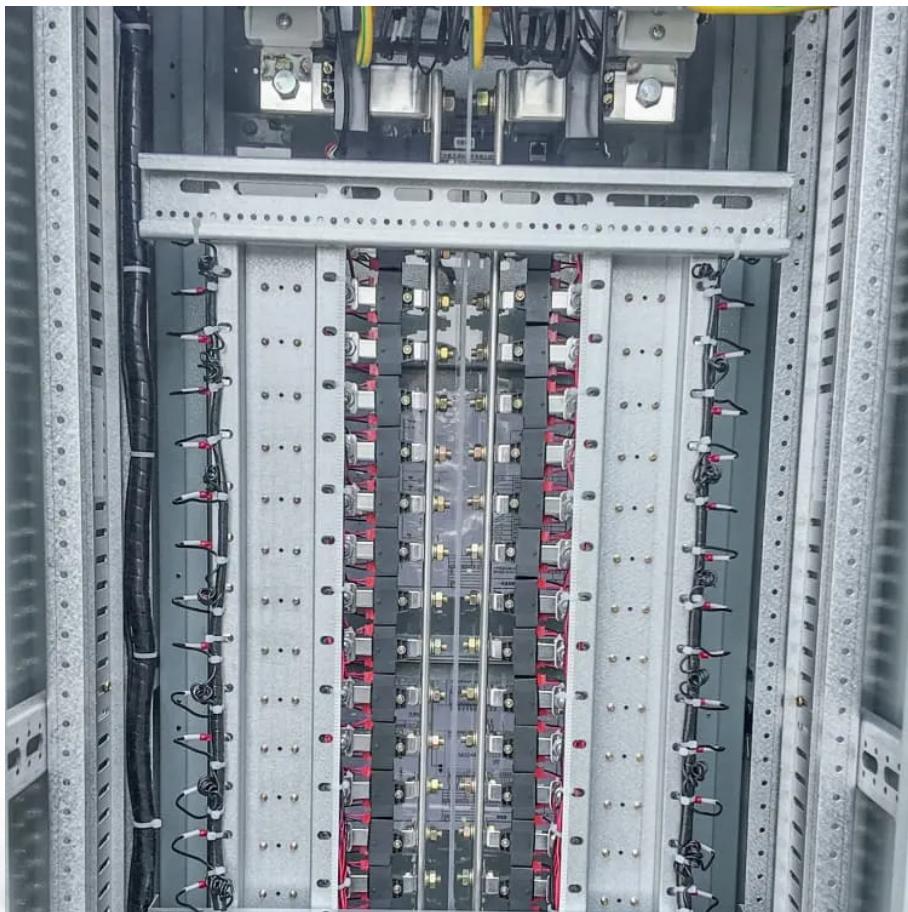




IMK CONTAINERS

Smart Price Reduction for Photovoltaic Energy Storage Containers in Livestock Farming





Overview

What is a smart farm?

A smart farm is, therefore, a system that combines complex and strategic functionalities, based on the several energy resources available. Unfortunately, there is not an energy management infrastructure microgrid structured, normalized, with low price and widely and commonly accepted.

How to convert a regular farm into a smart farm?

The entire project of converting a regular farm into a smart farm comprehends several phases. The present work reports the economic study of the first phase that, in a simplified way, includes the control and monitoring infrastructure and the introduction of a PV system.

What are smart farming technologies in livestock production?

Smart farming technologies in livestock production involve the use of digital tools and automation to monitor and manage various aspects of animal husbandry. The key technologies include: Internet of Things (IoT): Networked devices collect and transmit real-time data on livestock health, feed consumption, and environmental conditions.

How do smart farm management systems work?

Communication between users and devices can be made via the internet or mobile phone . . Smart farm management systems must be able to efficiently manage the consumption and participation in Demand Response (DR) events, such as dynamic energy cost , .



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