

350kW Solar-Powered Container for Emergency Relief in West Africa





Overview

To tackle this crisis, Sokofresh, with the support of the Global Energy Alliance for People and Planet's (GEAPP) Productive Use Financing Facility (PUFF), has developed a solution: solar-powered cold storage. Can solar-powered cold storage transform Africa's energy transition?

This aligns with GEAPP's mission of accelerating the adoption of renewable energy across the continent and ensuring that Africa's energy transition is inclusive and sustainable. Wochong Um, CEO at GEAPP, emphasized the significance of solar-powered cold storage in transforming the agricultural sector.

How does sokofresh contribute to Africa's energy transition?

By reducing reliance on diesel-powered generators, Sokofresh is helping farmers lower their carbon footprints, contributing to Africa's just energy transition. This aligns with GEAPP's mission of accelerating the adoption of renewable energy across the continent and ensuring that Africa's energy transition is inclusive and sustainable.

How does sub-Saharan Africa rely on cold storage?

According to the World Bank, an estimated 75% of sub-Saharan Africa's agricultural output comes from smallholder farmers, many of whom do not have access to the electricity grid. This means that farmers often rely on expensive diesel-powered cold storage, if they have access to refrigeration at all.

What are solar-powered cold storage units?

Sokofresh's solar-powered cold storage units provide a clean, affordable alternative. These units are equipped with energy-efficient cooling technology that can be deployed in off-grid areas, reducing the need for diesel generators and lowering operational costs for farmers.



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