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Solar New Energy Storage Applications in South Sudan



Overview

A public-private partnership in South Sudan has launched the country's first major solar power plant and Battery Energy Storage System (BESS) in the capital Juba, where it is expected to provide electricity to thousands of homes.

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The East African country has an electricity access rate of 8.4% (as of 2022)

Image: The recently launched 20MW solar energy plant in South Sudan.

Credit: Ezra Group A public-private partnership in South Sudan has launched the country's first major solar power plant and Battery Energy Storage System.

South Sudan has taken a significant step toward renewable energy with the launch of its first large-scale solar power project. The Ezra Group, a prominent business conglomerate, has successfully developed and financed a 20-megawatt (MW) solar power plant, complemented by a 14-megawatt-hour (MWh).

According to UC Berkeley's Renewable & Appropriate Energy Laboratory, reducing dependency on fossil fuels by increasing access to renewables could lower costs, improve public health and foster socio-economic stability in this conflict-affected country. Solar-powered refrigeration represents a

South Sudan celebrates its first major renewable energy project, marking a milestone in the country's transition to sustainable power. The Ezra Group, a leading business conglomerate, announced the successful launch of the 20-Megawatt (MW) solar power plant and the 14-Megawatt Battery Energy.

As Tanzania hosts the African Energy Summit in Dar-es-Salaam, South Sudan is celebrating the country's first major renewable energy project. The South Sudan's solar power project reportedly marks a milestone in Juba's transition

to sustainable power. The Ezra Group, a leading business conglomerate.

Sudan has been working on a 500 MW solar power agreement with the United Arab Emirates. Ethiopia has increased its hydroelectric power generation, including the Grand Ethiopian Renaissance Dam, which has a planned capacity of 6,450 MW. Kenya has wind and geothermal projects, including the 310 MW.

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