



Juba Wind Energy Storage Power Generation Project





Overview

In March 2020, South Sudan's installed generation capacity was reported as approximately 130 MW. Most of the electricity in the country is concentrated in Juba the capital and in the regional centers of and . At that time the demand for electricity in the county was estimated at over 300 MW and growing. Nearly all electricity sources in the country are based, with attendant challenges of cost and environmental pollution. There are plans to build new generati.

The 20 MW solar PV plant, located in Juba, the capital city, will have a 14 MWh battery energy storage system & will connect 16,000 households in the world's least electrified country. This project marks South Sudan's first public-private partnership (PPP) in the renewable.

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Ezra Group, a South Sudanese family-run conglomerate, last month announced the launch of South Sudan's first major renewable energy project. The 20 MW solar PV plant, located in Juba, the capital city, will have a 14 MWh battery energy storage system & will connect 16,000 households in the world's.

Ezra Group, a South Sudan family-run conglomerate, on Monday announced the launch of a 20-MW solar power plant with a 14-MWh battery energy storage system in South Sudan, marking the country's first major renewable energy project. An official opening was held in Gondokoro, near the city of Juba.

The Juba Solar Power Station is a proposed 20 MW (27,000 hp) solar power plant in South Sudan. The solar farm is under development by a consortium comprising Elsewedy Electric Company of Egypt, Asunim Solar from the United Arab Emirates (UAE) and I-kWh Company, an energy consultancy firm also based.

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's energy landscape is transforming rapidly, with the Juba energy



storage project ranking highlighting the nation's push toward grid stability. As solar adoption grows by 18% annually (World Bank 2023), battery systems are becoming critical for managing intermittent re South Sudan's.

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).



Juba Wind Energy Storage Power Generation Project

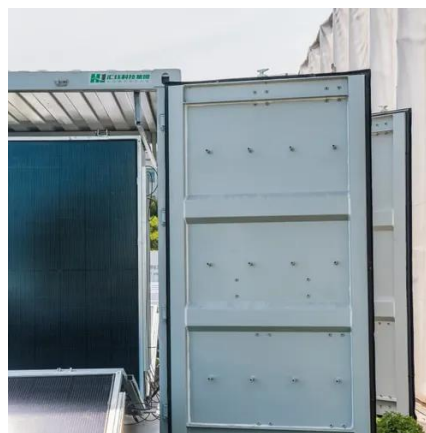


[South Sudan: First major solar energy, BESS plant ...](#)

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

Juba Solar Power Station

In March 2020, South Sudan's installed generation capacity was reported as approximately 130 MW. Most of the electricity in the country is concentrated in Juba the capital and in the regional centers of Malakal and Wau. At that time the demand for electricity in the county was estimated at over 300 MW and growing. Nearly all electricity sources in the country are fossil-fuel based, with attendant challenges of cost and environmental pollution. There are plans to build new generati...



[Solar park of 20 MW plus battery opens in South ...](#)

The project was developed and financed in-house by Ezra Construction and Development Group Ltd, a subsidiary of Ezra Group. ...



South Sudan's Milestone in Renewable Energy: First Major Solar



Project

By integrating renewable energy into the national grid, it aligns with South Sudan's environmental sustainability goals while making electricity more affordable and accessible to ...



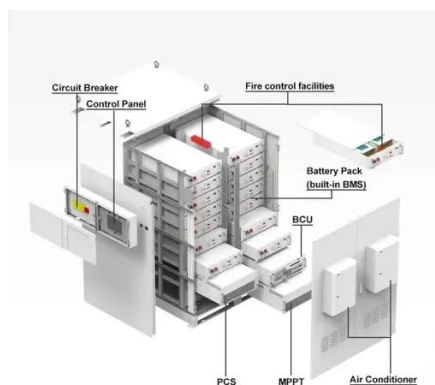
[Juba Energy Storage Project Ranking: Key Insights for ...](#)

South Sudan's energy landscape is transforming rapidly, with the Juba energy storage project ranking highlighting the nation's push toward grid stability. As solar adoption grows by 18% ...



[Power plant profile: Juba Solar PV Park, South Sudan](#)

The project is expected to generate 29,000MWh electricity and supply enough clean energy to power 58,000 households. The project is expected to offset 12,000t of carbon ...



Juba Solar Power Station

There are plans to build new generation stations and to import electricity from neighboring Ethiopia, Sudan and Uganda, but the civil war has hindered progress in that direction.



[Solar park of 20 MW plus battery opens in South Sudan](#)

The project was developed and financed in-house by Ezra Construction and Development Group Ltd, a subsidiary of Ezra Group. According to the company, the 20-MW ...

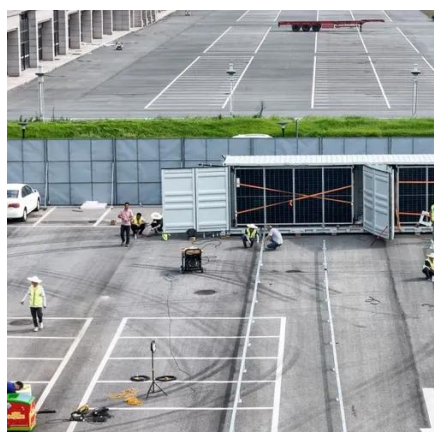


South Sudan launches solar energy

The 20MW solar facility is capable of supplying power to approximately 16,000 households in Juba, offering a significant reduction in energy prices and enhancing grid stability.

South Sudan shifts to clean energy as Ezra Group launches a 20 ...

Ezra Group launches a 20-megawatt solar power plant and a 14-megawatt-hour Battery Energy Storage System in South Sudan. The project developed and run by the Ezra ...



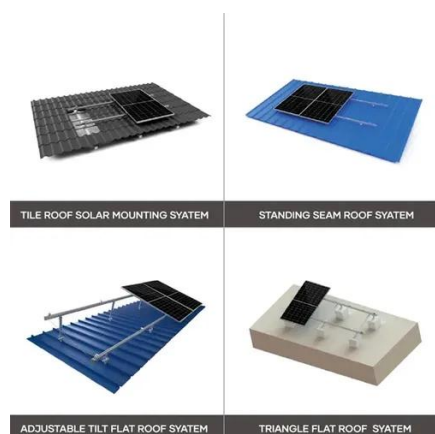
[South Sudan: First major solar energy, BESS plant launched](#)

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 ...



[South Sudan launches first solar plant with battery storage](#)

The 20 MW solar PV plant, located in Juba, the capital city, will have a 14 MWh battery energy storage system & will connect 16,000 households in the world's least electrified ...



Ezra Group Launches 20 MW Solar Power Project With 14 MWh ...

The 20 MW solar plant will supply electricity to approximately 16,000 households in Juba, integrating clean energy into the national grid. The project is expected to reduce carbon ...

[South Sudan launches first solar plant with battery ...](#)

The 20 MW solar PV plant, located in Juba, the capital city, will have a 14 MWh battery energy storage system & will connect 16,000 ...





Contact Us

For inquiries, pricing, or partnerships:

<https://www.sccd-sk.eu>

Phone: +32 2 808 71 94

Email: info@sccd-sk.eu

Scan QR code for WhatsApp.

