



South Africa's latest energy storage project planning

Does South Africa have a battery energy storage project?

In a significant advancement toward enhancing its national power infrastructure, South Africa has officially moved forward with two major battery energy storage projects. Dr.

What is South Africa's Energy Plan?

SAREM provides a detailed roadmap for addressing critical challenges in local energy infrastructure, investment, and capacity, at a time when South Africa's electricity demand is expected to double by 2040. The plan focuses on four key pillars: Unlocking system readiness to support local demand for renewable power and storage,

Where will the battery energy storage project be implemented?

The Project will be implemented at approximately 17 sites, located within or adjacent to existing distribution substations of Eskom, across four provinces of South Africa. The Battery Energy Storage Project (Project) provides a solution to address both challenges.

How fast will battery storage grow in South Africa?

battery storage is similarly set to grow exponentially, to 4.7TWh per annum by 2030 (compared to about 700GWh in 2022).⁸ In South Africa, the rollout of renewable energy technologies is similarly set to increase rapidly, as the country aims to achieve energy security for all as well as decarbonise its electricity supply.

Does South Africa need energy security?

11. South Africa has experienced several years of energy insecurity. Energy security is a key determinant for successful industrialisation. SAREM will address this directly by enhancing energy security at key industrial nodes, ensuring adequate power supply for renewable energy and battery storage component manufacturing.

What is the largest battery energy storage system in Africa?

Unveiled in 2023, thanks to \$195 million from the International Bank for Reconstruction and Development (IBRD) and \$220 million from AfDB, this flagship project represents the largest battery energy storage system (BESS) on the African continent.

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