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South Africa user-side energy storage project





Overview

Where is Africa's largest battery energy storage system located?

Africa's largest standalone battery energy storage system (BESS) project, the 153 MW/ 612 MWh Red Sands project in the Northern Cape, has reached financial close, having raised some R5.4-billion in debt financing from Absa and Standard Bank.

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 will the battery energy storage initiative impact South Africa?

The battery energy storage initiative will significantly enhance South Africa's power infrastructure, alleviating grid congestion and increasing renewable energy integration. It aims to aid South Africa's low-carbon energy transition and achieve carbon neutrality by 2050 through energy arbitrage and ancillary services.

Does South Africa have a battery storage tender programme?

South Africa is aiming to procure utility-scale battery storage with two tender programmes: its Battery Storage IPP Procurement Programme as well as hybrid battery storage and variable renewables projects through its Risk Mitigation IPP Procurement Programme.



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[Envision Energy to supply 257MW battery systems to SA's ...](#)

Envision Energy has secured an order to supply three battery energy storage systems (BESS) for South Africa's Oasis 1 cluster of projects.

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[Scatec wins battery storage project in South ...](#)

The estimated total capex for the battery energy storage project is ZAR 2.2 billion (USD 120 million) of which Scatec's EPC contracts account for approximately 80%. The project will be financed by 90% non-recourse ...

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[Scatec wins major battery storage project in South Africa](#)

Scatec has been awarded the prestigious contract for the 123 MW/492 MWh Haru Battery Energy Storage System, a pivotal project aimed at stabilising South Africa's national ...

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Utility-scale batteries in South Africa: Improving grid stability ...

The international community is also contributing to the development of battery storage systems in South Africa. For example, the World Bank and the African Development ...



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[Africa's Largest Battery Energy Storage ...](#)

Updated 1st July 2025 - The Red Sands Battery Energy Storage System (BESS), set to be Africa's largest of its kind, has officially reached commercial close. Developed by Globeleq, which is 30% owned by Norfund, in ...

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A further fifth project was appointed later, on March 28, 2024, following value-for-money negotiations. This last project is finalising preparations and final conditions to reach commercial close in early 2025. ...

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The components of the Project include 1,440 MWh of distributed battery storage, 60 MW of solar photovoltaic generation facility, and application software to optimize the performance of distributed battery storage. The ...

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The project will be financed by 90% non-recourse project debt and the remaining by equity from the owners. "Today's award reaffirms our standing as a leading renewable energy player in South Africa. We ...

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