

What is the Bess project?

The BESS project serves as a direct response to meet one of the urgent needs to address South Africa's long-running electricity crisis by adding more storage capacity to strengthen the grid while diversifying the existing generation energy mix. It uses large scale utility batteries with a total capacity of 1 440MWh per day and a 60MW PV capacity.

How does Bess work in South Africa?

South Africa's electricity grid faces significant challenges in balancing supply and demand. By storing energy and discharging it when required, BESS helps stabilise the grid, reducing the risk of power outages. While solar and wind power are abundant, they are not constant sources of energy.

Where is Bess located in Africa?

Replicating successes from our hybrid solar and battery storage projects at Kenhardt, we will proceed to construct one of Africa's first and largest standalone dispatchable BESS systems. The project is located near Kathu, Northern Cape, close to high power demand centres.

What is Bess technology?

The BESS technology offers a versatile solution for improving overall grid performance and is in line with South Africa's commitment to the just energy transition to a more resilient and sustainable energy future.

What is Bess & how does it work?

Think of BESS like a giant rechargeable battery. During the day, when solar energy production is at its peak, any excess energy generated that isn't used immediately can be stored. Later, when the sun sets or during periods of high electricity demand, that stored energy is released, making it available for homes, businesses, and industries.

What is the Mogobe Bess project?

The Mogobe BESS project is a first of a kind and reaffirms our standing as a leading renewable energy player in South Africa. We continue to see attractive growth opportunities in the market based on the need for growth in power generation, our strong position in the country and our strong and competent local team," says

BESS PROJECTS MEANING SOUTH AFRICA



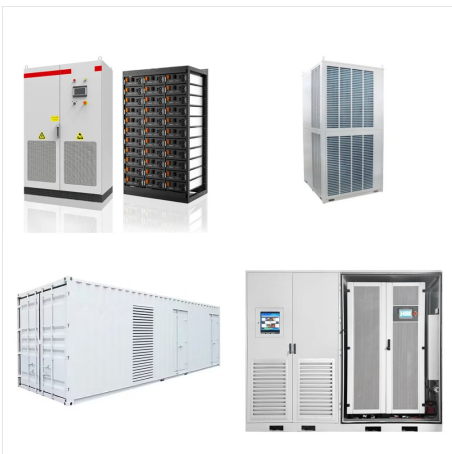
Scatec CEO Terje Pilskog.



Red Sands will be Globeleq's first largescale Battery Energy Storage Solutions (BESS) project in South Africa where the Group also owns and operates eight renewable plants (six solar PV, two wind) with a total generating capacity of 384 MW. Globeleq also owns a combined solar and BESS plant at Cuamba in Mozambique and is developing other BESS



The two projects are ABO Energy's first South African BESS to reach financial closure. In January 2024, A consortium of Mulilo and EDF was finalised as a preferred bidder for three battery energy storage projects. Mulilo is a South African independent power producer which is majority owned by CIP.



"We're starting to see in South Africa a couple of projects where the IPPs do a combo of solar PV and BESS. We have a project coming up soon where it's a large combination of solar PV and BESS being deployed in the north of the country, and we're starting to have dispatchable renewable energy plus BESS," Kies pointed out.

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Here is another solar-plus-storage project it is building in South Africa, awarded to the firm through a separate procurement. Image: Scatec. A consortium including Copenhagen Infrastructure Partners (CIP) and utility EDF has won preferred bidder status for three battery energy storage system (BESS) projects in South Africa.



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South Africa's first public battery storage tender has awarded preferred bidder status to a consortium of CIP-owned Mulilo and renewables major EDF for three battery projects totalling 257MW/1,028MWh. Mulilo, a ???

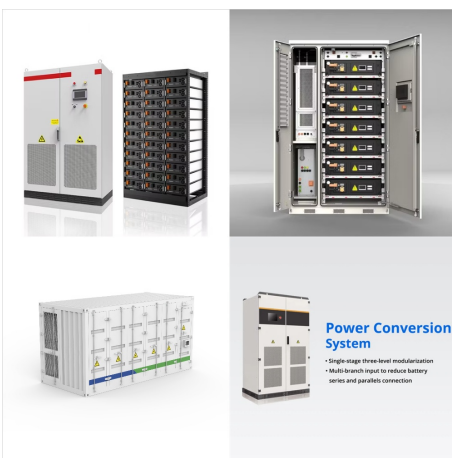
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A consortium comprising Copenhagen Infrastructure Partners (CIP)-owned Mulilo and EDF has been selected as the preferred bidder for three battery energy storage system (BESS) projects in South Africa. The projects, ???



Why is BESS Important for South Africa? South Africa is heavily reliant on an ageing energy infrastructure, with much of the power coming from coal-fired plants. and industries across South Africa. Large-Scale Energy Projects We specialise in large-scale projects that integrate solar energy generation with BESS. This combination ensures



Eskom has revealed a groundbreaking achievement with the inauguration of the largest Battery Energy Storage System (BESS) project in South Africa, marking a milestone not only for the country but for the entire ???

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The Hex BESS site, situated in Worcester, Western Cape, was officially unveiled by Eskom, representing the inaugural completion of the BESS project announced in July 2022. This strategic endeavour aims to alleviate strain on the national electricity grid, addressing the persistent challenges in South Africa's power supply.



Why is BESS Important for South Africa? South Africa is heavily reliant on an ageing energy infrastructure, with much of the power coming from coal-fired plants. and industries across South Africa. Large-Scale Energy ???

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The three Oasis 1 battery energy storage systems (BESS) projects, led by EDF group in collaboration with Mulilo, Pele Green Energy and Gibb Crede, reached financial close, on 15 and 19 November 2024. South Africa's public utility. Those projects are crucial to the South African electricity infrastructure as the system needs more flexibility



The projects are expected to be in operation 24 months after reaching commercial close. (BESS) with a combined capacity of 513 MW and a minimum of four hours of storage, or at least 2 052 MWh



The BESS project serves as a direct response to meet one of the urgent needs to address South Africa's long-running electricity crisis by adding more storage capacity to strengthen the grid while diversifying the ???

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4 ? Reported to be integral to the country's inaugural Battery Energy Storage Independent Power Producer Procurement Programme (BESIPPPP), the projects will amount to 257MW of ???



The Red Sands project is located in the Northern Cape, about 100km southeast of Upington, and will be the largest standalone battery energy storage system in Africa and Globeleq's first large-scale BESS project in South Africa. The project will take up approximately 5 hectares (12 acres) and will connect to the grid through the Eskom Garona



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Red Sands will be Globeleq's first Battery Energy Storage Solutions (BESS) project in South Africa but the Group owns and operates a combined solar and BESS plant at Cuamba in Mozambique, and is developing BESS projects across the African continent. Globeleq also owns and operates 8 renewable plants (6 solar PV, 2 wind) in South Africa with a



The South African government has selected preferred bidders for the development of four utility-scale battery energy storage system (BESS) projects in the Northern Cape, with a combined investment

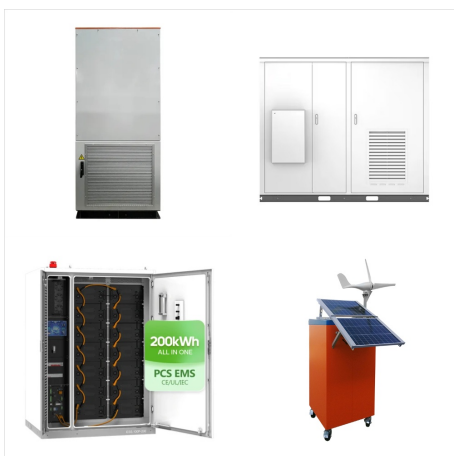
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In a milestone moment for the newly unbundled South African grid, Norwegian developer Scatec has reached financial close on the Mogobe battery energy storage system (Bess) project. The plant, to be located near Kathu in the Northern Cape, will be the country's first stand-alone Bess IPP.



Replicating successes from our hybrid solar and battery storage projects at Kenhardt, we will proceed to construct one of Africa's first and largest standalone dispatchable BESS systems. The project is located near ???



The same month saw Saudi Arabia-based IPP ACWA Power sign a PPA with the South Africa government for a 442MW PV, 1,200MWh BESS project. Minister Ramokgopa called South Africa a "trailblazer" when it came to solar and storage, when visiting Scatec's RMIPPP project in April 2024.

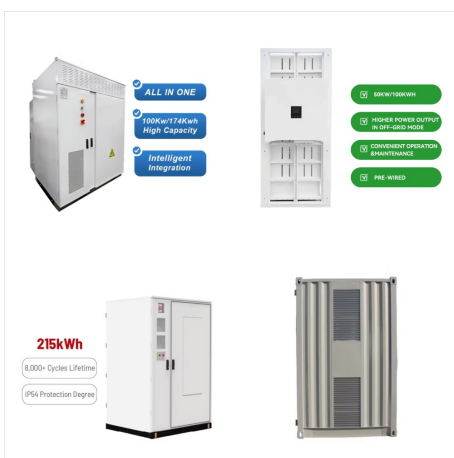
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South Africa's electricity grid faces significant challenges in balancing supply and demand. By storing energy and discharging it when required, BESS helps stabilise the grid, reducing the risk of power outages.



The announcement of the four preferred bidders under the first bid window of the Battery Energy Storage Independent Power Procurement (BESIPPP) Programme marks a 'significant development'



The government of South Africa has signed commercial close agreements for two large-scale BESS projects totalling 720MWh, allowing project backers Scatec and a consortium of CIP and EDF to proceed with construction.

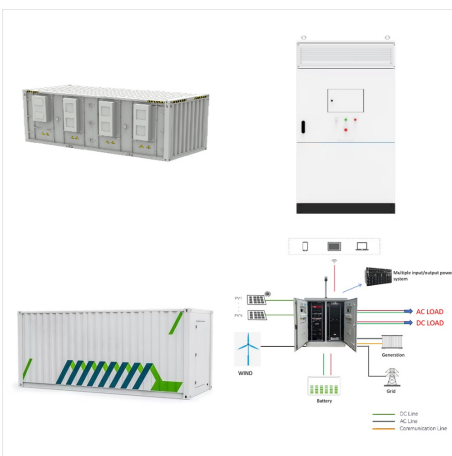
BESS PROJECTS MEANING SOUTH AFRICA



3 ? A Chinese green technology company has been contracted to supply battery energy storage systems (BESS) for the Oasis 1 cluster of projects in South Africa. Envision Energy announced the contract with the EDF Group, to supply three battery energy storage systems (BESS) amounting to 257MW of capacity and 1,028MWh of storage.



The Oasis consortium, led by EDF Group and Mulilo, has reached financial close on three battery energy storage system (BESS) projects in South Africa's Northern Cape and North West provinces. The projects are part of the first round of the country's Battery Energy Storage IPP Procurement Programme (Besipp).



Tehachapi Energy Storage Project, Tehachapi, California. A battery energy storage system (BESS), battery storage power station, battery energy grid storage (BEGS) or battery grid storage is a type of energy storage technology that uses a group of batteries in the grid to store electrical energy. Battery storage is the fastest responding dispatchable source of power on electric ???