

# **Expected ROI of containerized BESS project in South Africa 2026**





## Overview

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What does the Red Sands Bess project mean for South Africa?

The project will span approximately five hectares and involves substantial upgrades to Eskom's and the NTCSA's grid infrastructure. The Red Sands BESS will ease transmission and distribution congestion in the Northern Cape, strengthening South Africa's energy infrastructure and supporting a more resilient and decarbonized power sector.

Does Globeleq own a Bess plant?

Globeleq also owns a combined solar and BESS plant at Cuamba in Mozambique and is developing other BESS projects across the African continent. Mike Scholey, Globeleq's CEO, commented: "I am delighted that we have received Preferred Bidder status for this very important project: the biggest standalone Battery Energy Storage System project in Africa.

Why is the Red Sands battery storage project important?

Mr Gjermund Sæther, the Norwegian Ambassador to South Africa confirmed: "The Red Sands battery storage project's successful commercial close highlights the importance of international cooperation and public-private partnerships in tackling energy security and promoting a sustainable energy future.

What is red sands Bess?

The project was awarded preferred bidder in 2024 under the South African Government's battery energy storage independent power producer programme. Red Sands BESS will enhance grid stability by storing energy during off-peak times and releasing it during periods of peak demand.



## Expected ROI of containerized BESS project in South Africa 2026



### India's First Commercial Utility-Scale Battery Energy ...

The BRPL BESS project is the first commercial standalone BESS project at the distribution level in India to receive regulatory approval for a capacity tariff and will play a pivotal role in facilitating the uptake of low-cost ...

### What does Africa's BESS landscape look like?

What is currently operational? South Africa has the largest operational capacity of grid scale projects, accounting for 90% of the total operational projects in Rho Motion's ...



### Battery Energy Storage System

Eskom BESS rollout project is the largest to be implemented in Africa. This is a direct response to the urgent need to address South Africa's long running electricity challenges, by transforming and strengthening grid capacity through ...



### Scatec ASA secures 123 MW BESS project in South Africa

Scatec ASA has secured preferred bidder status for the Haru battery energy storage project (BESS). The project has a capacity of 123 MW/492 MWh and is situated in ...



### Scatec secures Haru BESS project in South Africa

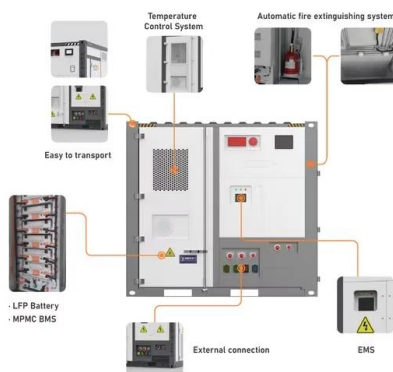
Scatec will also be responsible for EPC, operations and maintenance (O& M), and asset management (AM) services. According to the DMRE, commercial close is expected by ...



### South Africa: Key contracts for 'Africa's largest standalone BESS

The Red Sands BESS will be on a 5-hectare site in the Northern Cape region of South Africa, connecting to the grid via Eskom's Garona substation. It is hoped the BESS site ...

### FLEXIBLE SETTING OF MULTIPLE WORKING MODES



### South Africa Reaches Commercial Close on BESS Project

The project will provide grid-stabilizing ancillary services, including reserves and load shifting, and support grid congestion relief in the Northern Cape. Solar equipment supplier ...



### Eskom appoints service providers for its battery energy storage project

The Eskom BESS project will act as a proof of concept on the delivery of the first battery energy storage project in South Africa. The project supports transformational aspects ...



### Scatec awarded contract for Haru Battery Energy ...

Commercial close for the Haru BESS project is expected by the end of the first quarter of 2026, with construction taking place in South Africa's Free State Province.

### [BESS eskom brochure RGB 8 Nov](#)

BESS project. Currently, the Eskom BESS rollout project is the largest to be implemented in Africa. This is a direct response to the urgent need to address South Africa's long running ...



### Blanche BESS

The relevant assessments required in preparation to lodge the Development Approval application for the proposed Blanch BESS project are currently underway. The consent authority for the proposed project is the South ...



## Largest standalone battery energy storage system in Africa ...

Globeleq, an independent power company in Africa, has revealed that its South Africa Red Sands project has been awarded preferred bidder status. The 153MW / 612MWh ...



## Massive batteries coming to South Africa - ...

It will supply 153MW of power and boast 612MWh storage, making it the biggest standalone BESS in the country. All five projects under Bid Window 1 are expected to be operational by early 2027.

## [GLOBELEO'S RED SANDS PROJECT AWARDED ...](#)

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. The project was ...



## BESS market's potential in Africa needs a targeted ...

The study says that to grow an understanding of BESS, "it is strongly recommended that pilot projects are implemented that are carefully designed to provide the required learning and testing of BESS business ...



### South Africa: Mulilo and Scatec win out in BESIPPPP Window 3

Scatec's Kenhardt BESS project in South Africa. Image: Scatec. Update 2 June 2025: The Department of Electricity and Energy published the lists of successful and ...



### Scatec wins major battery storage project in South Africa

The project builds on Scatec's experience with hybrid solar and battery storage projects at Kenhardt and the ongoing Mogobe BESS project. "Dispatchable energy and robust ...

### Sungrow and Globeleq ink term sheet for BESS project in South ...

Sungrow and Globeleq have inked a BESS supply and a 15-year long-term service term sheet for the Red Sands battery energy storage system (BESS) project. The ...



### Transforming Energy Futures: BESS Projects in South Africa

Hyosung Heavy Industries is leading the charge in energy innovation with transformative BESS projects around the world. Here's how we're shaping energy futur



### Scatec secures South African BESS contract - Batteries ...

Scatec CEO Terje Pilskog said the firm would draw on its experience from recent hybrid solar and BESS projects, including the ongoing construction of the Mogobe BESS in the ...



### Envision secures 1 GWh deal with EDF, South Africa's ...

Envision ESS, a subsidiary of China's multinational Envision Group, has signed a supply contract with France's EDF Group to deliver battery energy storage systems (BESS) for three projects in South Africa. The ...

### South Africa's largest battery storage project goes online

South Africa's public utility, Eskom, has switched on a 20 MW/100 MWh Hex battery energy storage system (BESS) in Worcester, Western Cape province, to mitigate the challenge of load shedding.



### OASIS 1 Battery Energy Storage Systems Projects all achieve ...

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 ...



### Africa's Largest Standalone Battery Energy Storage ...

The project is situated in the Northern Cape and is the largest standalone BESS plant in Africa to reach commercial close. The project will span approximately five hectares and involves substantial upgrades to Eskom's and the NTCSA's grid ...



### Three BESS systems to enhance South Africa's power infrastructure

Set to be operational by the end of 2026, the three facilities are expected to significantly enhance the country's power infrastructure and are designed to alleviate grid ...

### Battery Energy Storage Systems Container (BESS Container) ...

In South Africa, where **\*\*power outages cost \$12 billion annually\*\***, BESS containers paired with solar are replacing diesel generators, with 1.2 GWh of projects announced since 2023.



### Red Sands ESIPPPP Project

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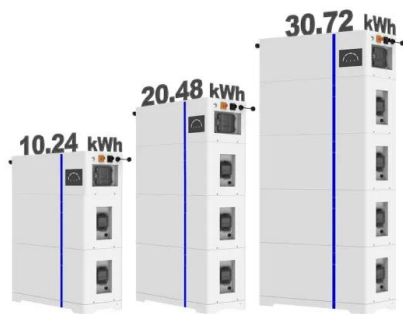


## Scatec awarded preferred bidder status for 123 ...

Norwegian IPP, Scatec ASA, has been awarded preferred bidder status for the Haru BESS Battery Energy Storage Project totalling 123 MW/492 MWh in the third bid window of the Battery Energy Storage ...



## ESS



## ZEM Energy: Solar Meets Storage Innovation , Huijue Group South Africa

Case Study: Italy's Solar Shift With 6.79GW new PV capacity added in 2024 (that's 30% growth YoY), Italy's facing urgent storage demands. ZEM's containerized BESS units now power 85% ...

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