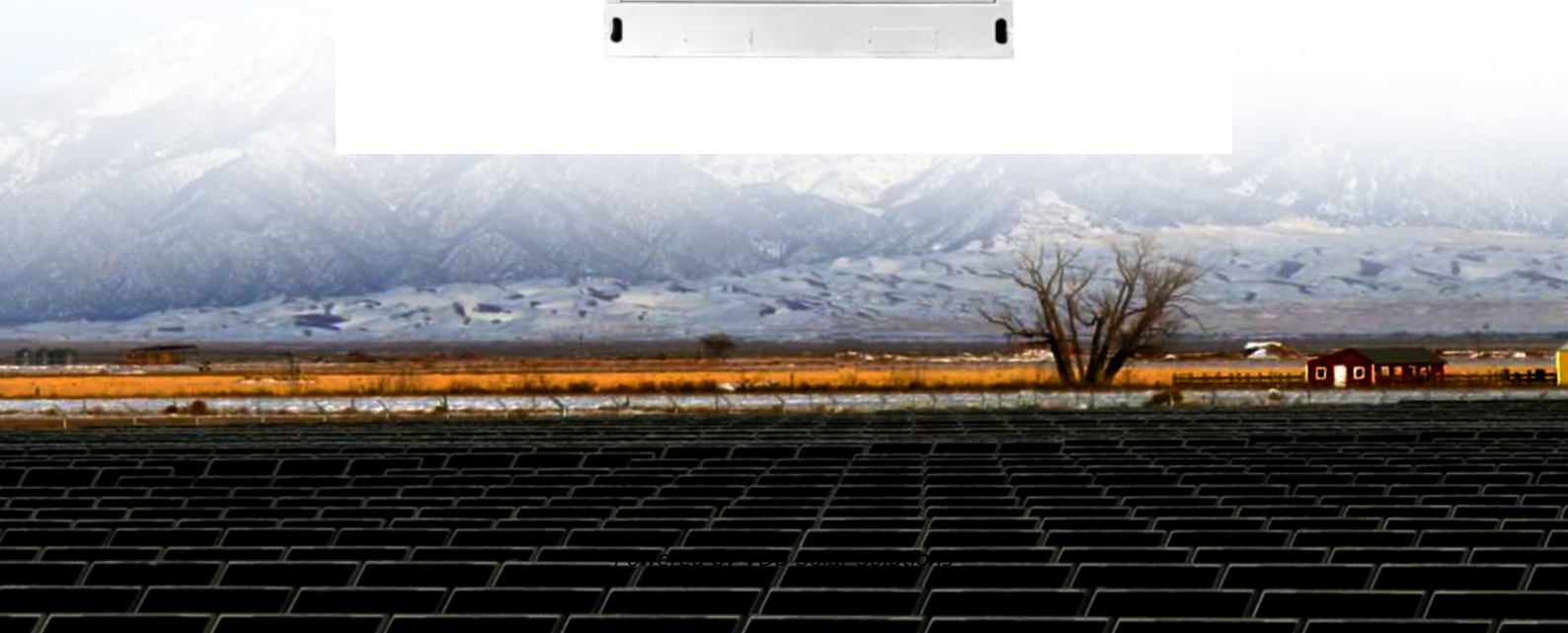


# **Expected ROI of containerized BESS project in South Africa 2025**





## 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.

How much Bess capacity has South Africa procured?

To date, South Africa has procured a total of 1 744 MW/ 6 979 MWh of BESS capacity across three public procurement bid windows in line with the 2019 edition of the Integrated Resource Plan. [Subscribe to improve your user experience.](#) Already a subscriber?

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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."

When did Bess become a preferred bidder?

The project was selected as a preferred bidder in 2024 following the first BESS public procurement bidding round, and is being developed by Globeleq in partnership with African Rainbow Energy.



## Expected ROI of containerized BESS project in South Africa 2025



### Enabling renewable energy with battery energy ...

These developments are propelling the market for battery energy storage systems (BESS). Battery storage is an essential enabler of renewable-energy generation, helping alternatives make a steady contribution to the ...

### 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, ...



### Containerized Battery Energy Storage System (BESS) Market

The global Containerized Battery Energy Storage System (BESS) Market size was estimated at USD 9,33 billion in 2024 and is predicted to increase from USD 13.87 billion in 2025 to ...

### Red Sands BESS Project Secures R5.4bn Financing, Set to ...

The Red Sands project contributes significantly to South Africa's broader BESS strategy. To date, the country has successfully procured a total of 1,744 MW/ 6,979 MWh of ...



### **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.



### **Africa's Largest Battery Energy Storage Project Red ...**

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 partnership with ...



### **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 ...



### Container Type Battery Energy Storage Systems Market Drivers ...

The Container Type Battery Energy Storage Systems (BESS) market is experiencing robust growth, projected to reach a market size of \$14.42 billion in 2025, ...



### [SA: Battery energy storage systems \(BESS\) ...](#)

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, ...



### Containerized Battery Energy Storage System Market Overview ...

Overview The global containerized battery energy storage system (BESS) market size was valued at USD 9.31 billion in 2024, growing at a CAGR of 20.7% from 2025 to 2034. The increasing ...



### 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 ...





## 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 ...

### Eskom unveils a first of its kind largest battery storage ...

Friday, 10 November 2023: Eskom unveiled the first of its kind largest Battery Energy Storage System (BESS) project not only in South Africa but in the African continent. Eskom officially opened the Hex BESS site at ...



### Scatec awarded preferred bidder status for 123 MW/492 MWh BESS in South

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 ...





## 153MW/612MWh! Energy Storage Firm Secures Order for Africa's ...

On May 26, Sungrow and Globeleq, a leading independent power producer in Africa, proudly announced the signing of a Battery Energy Storage System (BESS) supply ...



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

The Battery Energy Storage Systems Container (BESS Container) market is experiencing robust growth, driven by the increasing demand for renewable energy integration ...

### [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 ...



### [REGULATORY ASSESSMENT OF BATTERY](#)

EXECUTIVE SUMMARY South Africa is facing a deepening energy crisis. Households and businesses are facing rapidly escalating electricity costs, declining reliability and unpredictable ...



### 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 ...



### Red Sands BESS: A Milestone for South African Grid Stability and

The Red Sands Battery Energy Storage System (BESS) in South Africa's Northern Cape has officially reached commercial close, representing a significant development ...

### Sungrow and Globelec Sign 15-Year Deal for 153MW BESS Project in South

May 27, 2025. By News Bureau Sungrow and Globelec announce the signing of BESS supply and a 15-year long term service term sheet for the 153MW / 612MWh Red Sands BESS project ...



### 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 ...



### Mogobe BESS: South Africa's standalone storage debut

The Mogobe BESS project financing is a crucial first step for South Africa's BESIPPPP standalone storage procurement model. The deal demonstrates the need for ...



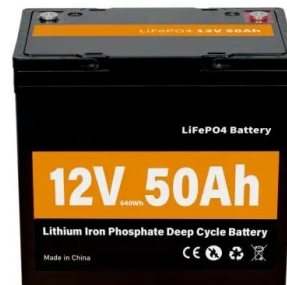
### [Battery Energy Storage System](#)

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 awarded contract for Haru Battery Energy ...

The Haru BESS project, with a storage capacity of 123MW and 492MW-hours, is designed to enhance grid stability by providing dispatchable energy to the National Transmission Company of South Africa (NTCSA). ...



### Solar Energy Secures 612MWh Contract for Red ...

Notably, the Red Sands BESS project is part of a larger trend in South Africa, where renewable energy sources are rapidly growing. The government has set ambitious targets, aiming to achieve 10.6 GW of new ...



### 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 ...



### Container Battery Energy Storage System Market 2025

What is the average ROI period for container BESS investments? With current incentives and energy savings, ROI typically ranges from 3 to 7 years, depending on ...

### South Africa's largest standalone battery storage project ...

The project was selected as a preferred bidder in 2024 following the first BESS public procurement bidding round, and is being developed by Globeleq in partnership with ...



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