

## SolarInnovate Energy Solutions

# Major energy storage project in Windhoek



## Overview

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Why is a battery storage facility important in Namibia?

The battery storage facility is expected to be crucial in improving system stability, lowering dependency on energy imports, easing the smooth integration of large-scale renewable energy sources into Namibia's power grid, and more effectively controlling demand peaks.

What is Namibia's first energy project funded by the World Bank?

The package places special emphasis on the integration of renewable energy through reinforced transmission lines and the installation of a second utility-scale battery storage facility. Under the leadership of NamPower, the national power provider, this historic endeavor represents the first energy project in Namibia to be funded by the World Bank.

How will NamPower change Namibia's energy environment?

With financing from the World Bank, NamPower's ambitious project is expected to drastically change Namibia's energy environment by lowering outages, promoting load growth, and creating new avenues for power trading within the Southern African Power Pool.

How can Namibia improve its electrical infrastructure?

A significant \$138.5 million investment package to improve Namibia's electrical infrastructure has been certified by the World Bank. The package places special emphasis on the integration of renewable energy through reinforced transmission lines and the installation of a second utility-scale battery storage facility.

Will Namibia's electricity grid be stabilized?

The Managing Director of NamPower, Mr Kahenge Simson Haulofu, further said that the electricity grid in Namibia will be stabilized as short and medium-term power fluctuations from RE generation can be load-followed by the storage

system.

Where is a 45 mw/90 MWh battery storage system located?

The construction of a 45 MW/90 MWh battery storage system, carefully sited at the Lithops substation in the Erongo region, is the second element. This location was selected because it is close to important load centers, mostly huge mining activities, and it has the potential to draw significant investments in solar photovoltaic systems.

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### **The Windhoek Energy Storage Project: Powering Namibia's ...**

Dec 30, 2024 · Enter the Windhoek Energy Storage Project - Namibia's \$280 million answer to solar power's "sunset problem." As the sun dips below the Kalahari dunes each evening, this ...

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