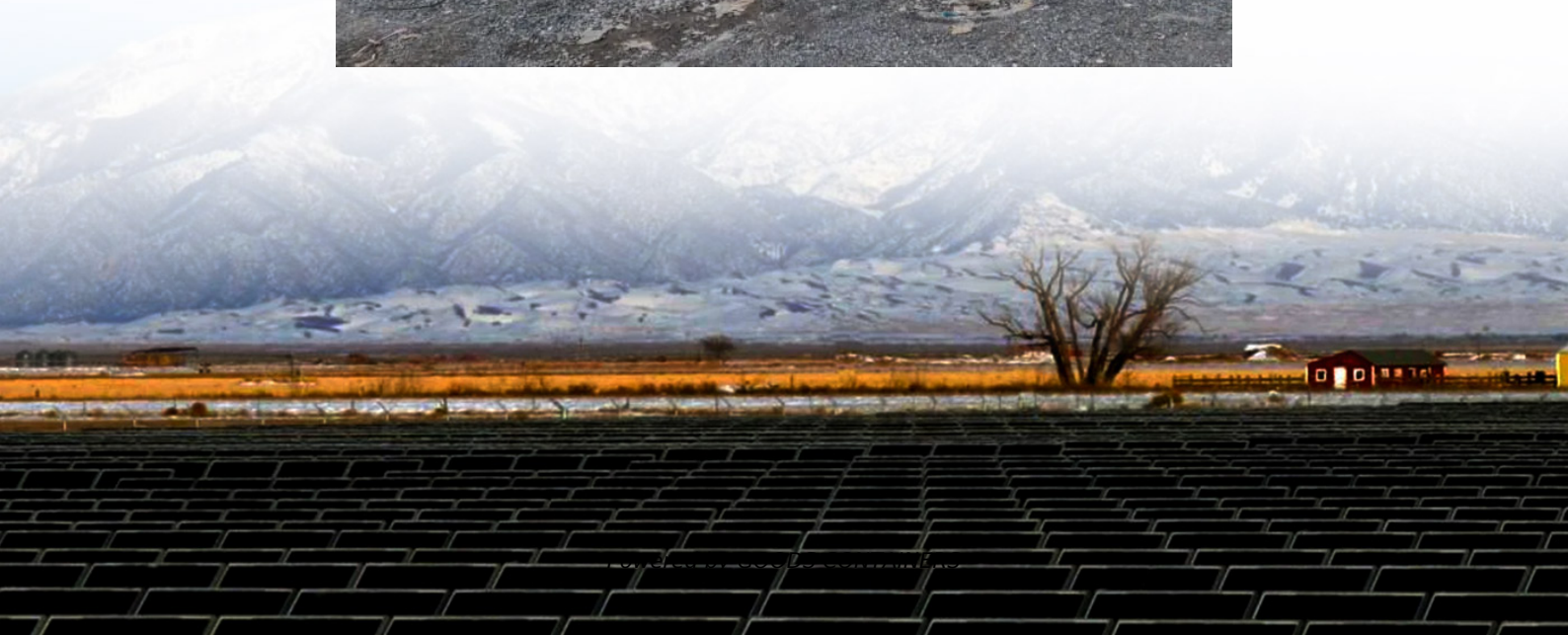


# **10GW energy storage project in Lagos Nigeria**





## Overview

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How can Lagos improve its energy supply & demand?

Commissioned by C40 Cities, Arup conducted an extensive study reviewing Lagos's current energy supply and demand, its projected future needs, and the potential of various renewable technologies. We recommended a suite of measures, including localised solar power generation, energy efficiency improvements, and battery storage solutions.

How much electricity does Lagos have?

Home to 18 million residents, Lagos has only 850-1,000 MW of installed capacity serving the national grid, which meets just 10% of the city's electricity demand. The remaining demand is being met by fossil-fuel generators, firewood, or individual renewable energy systems - such as solar panels and biofuel.

How much energy will Lagos generate by 2050?

The study estimated a total local renewable energy generation potential of 25 GW by 2050 - primarily from solar power. Solar photovoltaics combined with battery storage could meet 66% of Lagos's projected 2050 energy demand without significant infrastructure upgrades.

Could solar photovoltaics meet 66% of Lagos's energy demand?

Solar photovoltaics combined with battery storage could meet 66% of Lagos's projected 2050 energy demand without significant infrastructure upgrades. Commissioned by C40 Cities, Arup conducted an extensive study reviewing Lagos's current energy supply and demand, its projected future needs, and the potential of various renewable technologies.



## 10GW energy storage project in Lagos Nigeria

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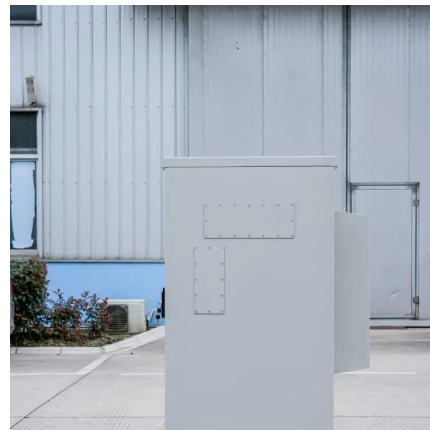
### [NIGERIA BEYOND GENSETS: ADVANCING THE ENERGY ...](#)

In 2023, SEforALL provided support to the Lagos State Government through the Lagos State Ministry of Energy and Mineral Resources to conduct a state-wide fossil fuel ...

### [Lagos Renewable Energy Transformation ...](#)

...

The Lagos renewable energy transformation project aimed to address the city's significant electricity deficit and create a cleaner, more secure energy future by leveraging renewable energy solutions and enhancing energy ...



### [Jinko Solar Successfully Delivered its First SunTera ESS for ...](#)

JinkoSolar, the global leading PV and ESS supplier, recently delivered the first SunTera Battery Energy Storage System (BESS) in Sub-Saharan Africa. The cutting-edge ...

### [SolisStorage Launches EverCore ESS to Power ...](#)

Lagos, Nigeria -- 8 December 2025 - SolisStorage, the dedicated energy storage



division and sister company of Solis, is a global leader in advanced energy storage solutions. It has made a significant ...



### [Project Case: Nigeria Renewable Energy Storage System](#)

Discover the Nigeria Renewable Energy Storage System (100 kW/197 kWh), a reliable solution for self-use and backup power. Enhance energy resilience, reduce costs, and ...



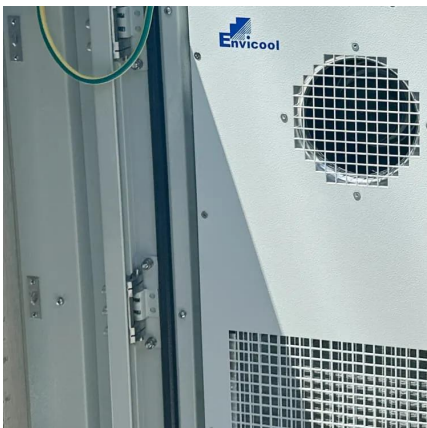
### [AED Energy to Build Next-Generation ...](#)

Aed Energy, a UK-based developer of next-generation thermal energy storage, has announced a new pilot project at Pan-Atlantic University (PAU) in Lagos, Nigeria, as part of ZE-Gen's international innovation ...



### [SolisStorage Launches EverCore ESS to Power the Next ...](#)

Lagos, Nigeria -- 8 December 2025 - SolisStorage, the dedicated energy storage division and sister company of Solis, is a global leader in advanced energy storage solutions. ...





### [Nigerian Government Seeks Partnership to Harness 10gw ...](#)

Mr Adelabu said the stranded energy could power industries, create jobs, and support electricity exports to neighbouring countries. The Nigerian Government is open to ...



### [Solar energy storage lights up Nigerian households, Supro Energy](#)

On September 3, 2025, in a resident's home in Ikenga District, Lagos State, Nigeria, the Supro Energy 90kWh wall-mounted battery home energy storage system completed its ...

### [Tinubu says Nigeria-Grid Battery Energy Storage System to ...](#)

President Bola Tinubu has disclosed that the Nigeria-Grid Battery Energy Storage System will benefit from a planned \$500 million facility from the African Development Bank ...



### [Lagos Renewable Energy Transformation Project](#)

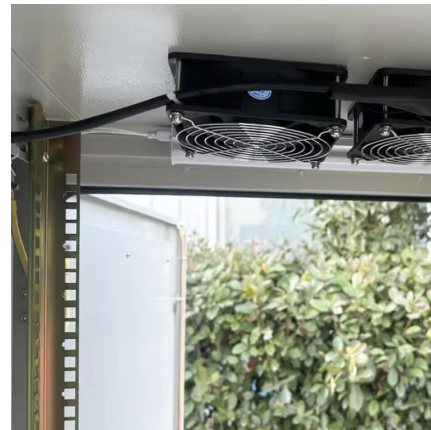
The Lagos renewable energy transformation project aimed to address the city's significant electricity deficit and create a cleaner, more secure energy future by leveraging renewable ...



## AED Energy to Build Next-Generation Thermal Energy Storage Plant in Nigeria

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