

Construction of a large-scale energy storage project in Sierra Leone





Overview

Freetown, Sierra Leone | 10 April 2025: The Republic of Sierra Leone today announced the signing of a Memorandum of Understanding with Hecate Global Renewables (HGR), and Africa50 to develop 100 MW of Renewable Energy projects including Battery Energy Storage Systems (“BESS”). How much does infrastructure cost in Sierra Leone?

Meeting these illustrative infrastructure targets for Sierra Leone would cost around \$0.5 billion per year over a decade. Capital expenditure would account for three quarters of this requirement, and the split is similar across sectors.

How much money will DFC invest in Sierra Leone's power project?

DFC’s financing also includes approximately \$120 million in political risk insurance to bring in private investment to the project, which would be the first utility-scale, independent power project in Sierra Leone.

How much power does Sierra Leone have?

Sierra Leone’s power capacity estimates at 150-MW with approximately 27.5% of the total population and about 4.9% of the rural population currently having access to electricity.

What does DFC do for Sierra Leone?

“DFC is proud to support the country’s first large utility-scale, independent power project and lay the foundation for reliable and affordable electricity in Sierra Leone,” said Nisha Biswal, Deputy Chief Executive Officer at DFC.



Construction of a large-scale energy storage project in Sierra Leone



[US provides \\$412m to 'revolutionise Sierra Leone's energy ...](#)

Construction is being carried out by Indian conglomerate Shapoorji Pallonji, with Siemens Energy in charge of the operation and maintenance of the generating equipment. ...

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[Sierra Leone signs a Memorandum of Understanding to develop ...](#)

Freetown, Sierra Leone , 10 April 2025: The Republic of Sierra Leone today announced the signing of a Memorandum of Understanding with Hecate Global Renewables ...

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[Evaluating the impacts of a large-scale voluntary REDD+ project ...](#)

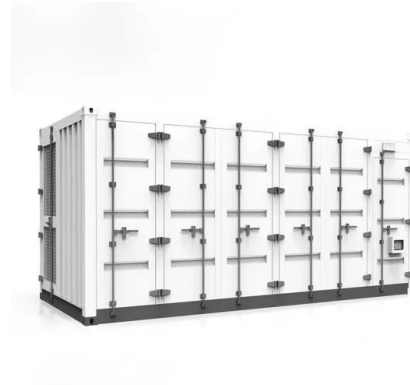
Following a pre-analysis plan, we use a before-after-control-intervention (BACI) framework to evaluate the impact of a large-scale voluntary REDD+ project in Sierra ...

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[DFC, Sierra Leone Promote Access to Reliable Energy With Up ...](#)

Project sponsors Milele Energy and TCQ Power are developing the project - the first utility-scale, independent power project in Sierra Leone, which will be constructed by ...

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[Construction Nears on New Large-Scale Battery ...](#)

Officials from SRP, Plus Power LLC, and the City of Avondale met on Wednesday for a ceremonial groundbreaking to kick off construction mobilization at the ...

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[US Approves \\$412M in Financing for 126-MW Sierra Leone ...](#)

The Western Area Power Generation Project, to be located in Sierra Leone's capital Freetown, is intended to help address the country's rolling blackouts and expand its ...

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[Compressed air energy storage in sierra leone](#)

The company wants to combine hydrogen and compressed air energy storage (CAES) technologies at facilities built in large underground salt caverns. It said yesterday that an ...

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[Sierra Leone launches a project to deliver climate adaptation ...](#)

The Government of Sierra Leone, in partnership with the United Nations Industrial Development Organization (UNIDO) and the Global Environment Facility, has launched a ...

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[Solar-storage hybrid project to power Sierra Leone gold mine](#)

Renewable energy financing platform CrossBoundary Energy will develop a hybrid solar PV, battery energy storage system (BESS) and thermal energy project at the Baomahun ...

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[US Approves \\$412M in Financing for a 126.5-MW West](#)

The United States' International Development Finance Corp. (DFC) announced it approved \$412 million in financing and political risk insurance for a 126.5-MW West Africa ...

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[Renewable energy investment factsheet: Sierra Leone](#)

Public-Private Partnerships (PPPs) promoted large-scale renewable energy projects. Of-grid programs developed, including mini-grids, to expand electricity access in rural areas. Results ...

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[African Development Bank, PowerGen, and partners to provide ...](#)

Sierra Leone Telegraph: 19 January 2025: PowerGen Renewable Energy (PowerGen) has partnered with leading international investors to establish a scalable, ...

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[New Energy Project in Sierra Leone: A Historic ...](#)

This week, Sierra Leone officially launched the construction of a large-scale gas-fired thermal power plant, an ambitious project which should considerably ...

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[SOLAR STORAGE HYBRID PROJECT TO POWER SIERRA LEONE ...](#)

Our state-of-the-art energy storage solutions, including high-efficiency battery cabinets and scalable containerized systems, provide reliable and sustainable power for diverse ...

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[Sierra Leone Gets its First Large-Scale Grid ...](#)

In a significant step towards clean energy and improved electricity access, a consortium of Development Finance Institutions (DFIs) and ...

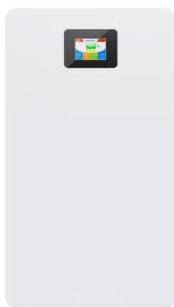
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[The Nant Project Receives Its First Disbursement in Sierra Leone](#)

The Nant Project will be the first large, utility-scale independent power project in Sierra Leone and will supply reliable electricity to address the country's critical long-term ...

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[Nant Power Project: A Game-Changer for Sustainable Energy in ...](#)

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[Planet Solar Starts 50 MW Project in Sierra Leone](#)

The co-investment enables the development of a critical project that stimulates investment in renewable energy - responding to the urgent need for access to clean, affordable and stable ...

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[Sierra Leone Battery Energy Storage System Project](#)

In conclusion, the Grid-scale/Utility Scale Energy Storage Systems (ESS) industry in Sierra Leone is experiencing a surge in construction of new projects, driven by the government's ...

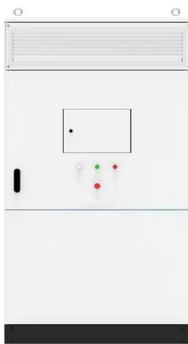
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[Solar-storage hybrid project to power Sierra Leone gold mine](#)

CrossBoundary Energy will develop a hybrid solar PV, BESS and thermal energy project at the Baomahun gold mine in Sierra Leone.

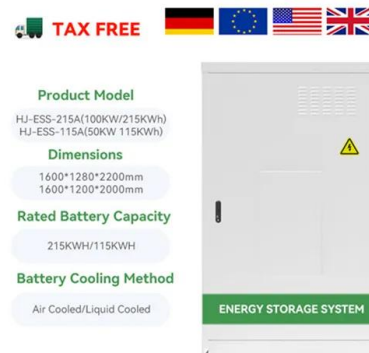
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[CrossBoundary Energy to Develop Hybrid Renewable Energy Project ...](#)

CrossBoundary Energy has unveiled plans to spearhead the development of a groundbreaking hybrid solar photovoltaic (PV), battery energy storage system (BESS), and ...

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[Sierra Leone Energy Storage Project: Powering a Sustainable ...](#)

Enter the Sierra Leone energy storage project - not just another infrastructure initiative, but a game-changer in Africa's energy landscape. As of 2025, this \$120 million ...

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Nant Power Project: A Game-Changer for Sustainable Energy in Sierra Leone

6 days ago · The project, officially launched during a community engagement event, represents a crucial shift towards sustainable and independent energy solutions. The Nant Power Project, ...

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[250605 Sierra Leone launches solar mini-grid energy project](#)

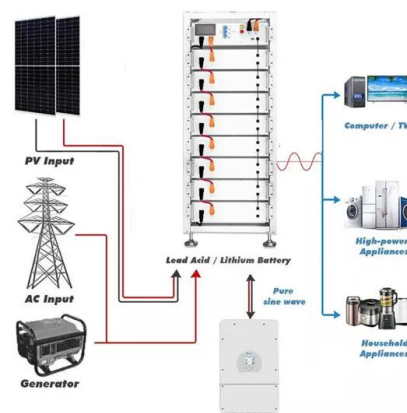
This landmark initiative, funded by the European Union and implemented by UNOPS and its hosted entity, Sustainable Energy for All (SEforALL), is a significant stride toward Sierra ...

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[Sierra Leone to benefit from renewable energy project](#)

Sierra Leone to benefit from renewable energy project By Chernor Alimamy Kamara President Julius Maada Bio has signed a massive \$ 311million (three hundred and eleven ...

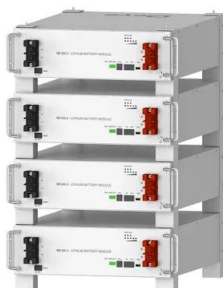
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