

Sierra Leone Future Science and Technology City Communication Base Station Wind and Solar Complementarity





Overview

How is Sierra Leone advancing its energy future?

“Sierra Leone is advancing its energy future through innovative partnerships and sustainable solutions. With the Results-Based Financing mechanism, we are not just powering homes but empowering communities and driving economic growth.

How has Sierra Leone developed energy solutions?

The Government of Sierra Leone has taken a strategic approach to developing energy solutions by establishing effective policies and regulations that enable private sector participation.

Does Sierra Leone need a 50MW solar power plant?

The 50MW solar capacity is expected to help avoid 53,000 tonnes of annual CO₂ emissions. The renewable energy potential in Sierra Leone is abundant, primarily in hydropower, wind and solar resources. However, it remains underutilised with up to 80% of the country’s electricity generated from fossil fuels.

Who is implementing a multi-partner project in Sierra Leone?

Under this multi-partner scheme, the United Nations Office for Project Services, (UNOPS) and Sustainable Energy for ALL (SEforALL) are implementing partners while the initiative will be funded by the EU under the EUR 50 million Transformational Energy Access for Sierra Leone financing agreement with the Government of Sierra Leone.

What does UNOPS do in Sierra Leone?

“UNOPS is committed to the collaborative effort required to provide access to sustainable energy for all. In Sierra Leone, we are proud of our record of offering practical solutions to the government in their drive for clean energy access, by helping set-up solar mini-grids across the country.

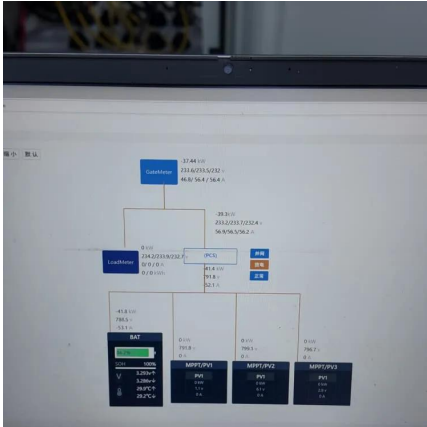


Why is co-investment important in Sierra Leone?

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 power. Currently, only 23% of the population in Sierra Leone has access to electricity.



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[Sierra Leone Adopts Results Based Financing Mechanism for Solar ...](#)

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[FAMBUL, Directorate of Science, Technology and Innovation ...](#)

About Directorate of Science, Technology and Innovation (DSTI) Our vision is to use science, technology and innovation to support the Government of Sierra Leone to deliver on its national ...



[MEST Hosted Peer-to-Peer Learning Session with Sierra Leone's ...](#)

Accra, Ghana - 23rd to 25th April 2025 The Ministry of Environment, Science, and Technology (MEST), Ghana, hosted a three-day Peer-to-Peer Learning Session with a delegation from the ...

[Sherbro Island City Wind Farm, Sierra Leone, Project Pipeline](#)

Sherbro Alliance Partners (SAP) is collaborating with Octopus Energy Generation to develop a wind farm on Sherbro Island, located in the



Bonthe district of Sierra Leone's Southern ...



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