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Malawi Containerized Generator BESS





Overview

What is the Malawi Bess project?

The Malawi BESS project will guide the scale-up of BESS projects in the Consortium's participating countries. To alleviate energy poverty by 2030 and save a gigaton of CO2 in low and middle-income countries, it is estimated that 90 GW of BESS must be developed to support the required 400 GW of renewable energy.

How can Malawi achieve a cleaner energy future?

The project will also contribute to a cleaner energy future for Malawi, reducing reliance on costly diesel generators, cutting carbon emissions by ~10,000 tonnes annually, and unlocking the full uptake of at least 100 MW of variable renewable energy, such as solar and wind power, into the grid.

Is Malawi a proof point for geapp's Bess project?

By breaking ground for this BESS project (and its subsequent completion expected in 2025), Malawi is an important proof point for the BESS Consortium launched by GEAPP at COP28 to secure 5 gigawatts (GW) of BESS commitments in low and middle income countries (LMICs) by the end of 2024.

How can collaboration improve the resilience of Malawi's grid?

By enhancing the stability and resilience of Malawi's grid, it demonstrates the power of collaboration in advancing energy access, reducing emissions, and supporting livelihoods.



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[Battery energy system to help stabilise power](#)

Nov 26, 2024 · President Lazarus Chakwera on Monday rolled out the \$20 million (about K35 billion) Battery Energy Storage System (Bess) at Kanengo in Lilongwe, capable of storing 20 ...

[GEAPP, Government of Malawi launch the ...](#)

Nov 25, 2024 · GEAPP's first battery energy storage system (BESS) project in Africa, a 20 MW BESS in Malawi's capital city, Lilongwe.



[BESS Project Launched to Replace Costly Aggreko Diesel Generators](#)

Nov 26, 2024 · The BESS Project, implemented by the Electricity Supply Corporation of Malawi (Escom) with support from the Global Energy Alliance for People and Planet (GEAPP), is ...

Executive Summary

Aug 26, 2025 · Executive Summary Malawi experienced severe grid instability affecting nationwide electricity access following the loss of one-third of its hydropower capacity due to a ...



[President Chakwera launches Battery Energy Storage System ...](#)

Nov 26, 2024 · President Dr. Lazarus Chakwera launched the 20MW Battery Energy Storage System (BESS) Project at Kanengo Sub-station for the Electricity Supply Corporation of ...



[GEAPP, Government of Malawi launch the construction of 20 ...](#)

Nov 28, 2024 · The Global Energy Alliance for People and Planet (GEAPP) and the Government of Malawi have officially launched the construction of a 20 MW battery energy storage system ...



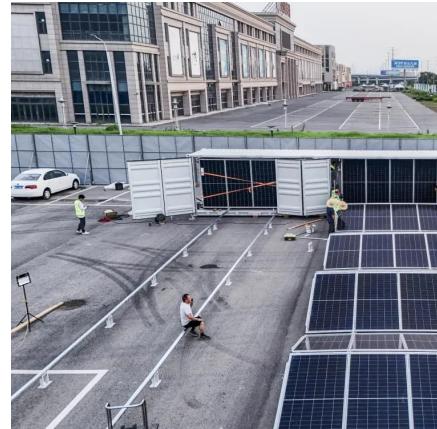
[CHAKWERA LAUNCHES LANDMARK BATTERY ENERGY ...](#)

Nov 26, 2024 · The BESS project, valued as a ground-breaking initiative, boasts a 20-megawatt battery energy storage system, a first-of-its-kind in Africa. Scheduled to be fully operational by ...



Malawi's first \$20mn battery energy storage system

Nov 29, 2024 · The \$20 million BESS project in Malawi aims to cut carbon emissions by 10,000 tons annually and boost economic growth by enhancing the uptake of renewable energy ...

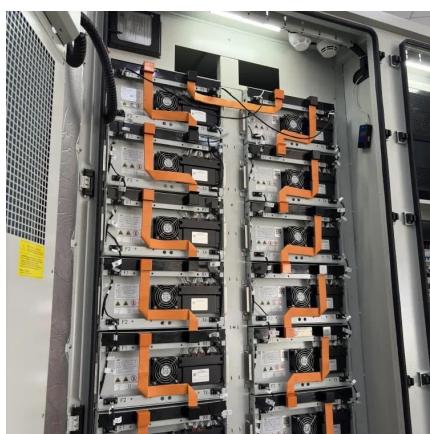


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Battery energy system to help stabilise power

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President Chakwera launches Battery Energy ...

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Malawi Powers Forward: Kanengo BESS Project Signals a ...

On Monday, November 10, 2025, the Minister of Natural Resources and Energy and Mining, Honourable Dr. Jean Mathanga, led a site inspection of the Kanengo BESS Project -- a first-of ...



Malawi containerised battery storage

Containerized Energy Storage System: How it Works and Why A Containerized Energy-Storage System, or CESS, is an innovative energy storage solution packaged within a modular, ...

GEAPP, Government of Malawi launch the construction of 20 ...

Nov 25, 2024 · GEAPP's first battery energy storage system (BESS) project in Africa, a 20 MW BESS in Malawi's capital city, Lilongwe.



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