

Industrial battery cabinet project financing options in South Africa 2030

Where will the battery energy storage project be implemented?

The Project will be implemented at approximately 17 sites, located within or adjacent to existing distribution substations of Eskom, across four provinces of South Africa. The Battery Energy Storage Project (Project) provides a solution to address both challenges.

Could South Africa become a global leader in battery storage technology?

By leveraging its abundant renewable energy resources, particularly solar and wind, South Africa could establish itself in the global value chain for battery storage technology. To build on the country's potential, visionary leadership is needed from key public and private stakeholders.

Can a private sector invest in battery storage in Sub-Saharan Africa?

Battery storage on this scale had never before been attempted in sub-Saharan Africa. To convince the private sector to come on board would require a catalytic investment. That's where CIF's Clean Technology Fund (CTF) stepped in.

Why is battery storage important in South Africa?

Battery storage offers a solution to overcome problems in the South African electricity market, to support a Just Energy Transition and a low-carbon power system, and to contribute to economic development. These benefits are by far not fully exploited. Prominent barriers to storage deployment can

Is energy storage a unique challenge to South Africa?

Basic energy services may be a unique challenge to South Africa, that energy storage can resolve. Policies need to be investigated, created and/or adapted to enable the development of a battery energy storage power sector. The IRP modelling boundaries need to be extended to all end-use customers.

What is the largest battery energy storage system in Africa?

Unveiled in 2023, thanks to \$195 million from the International Bank for Reconstruction and Development (IBRD) and \$220 million from AfDB, this flagship project represents the largest battery energy storage system (BESS) on the African continent.



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