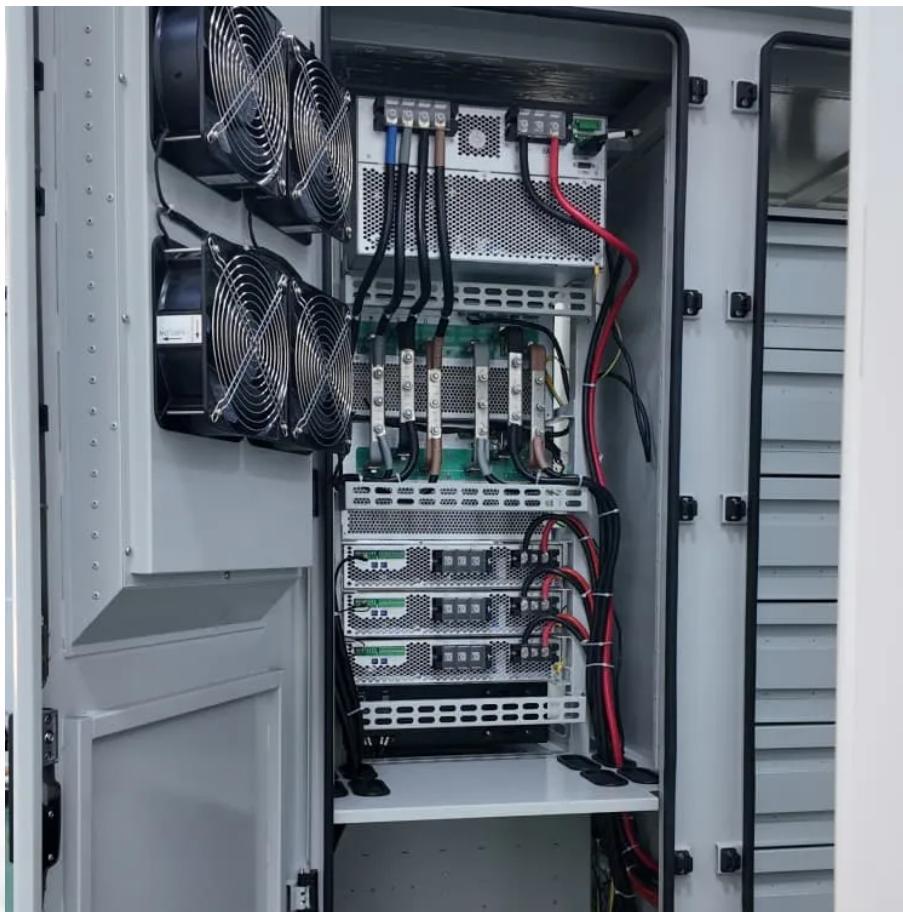




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Total investment in energy storage power stations in West Africa





Overview

In its African Energy Review 2022 report, PwC estimates that transitioning Africa's power sector to carbon neutrality and reaching universal access to electricity would cost US\$2.6 trillion, which is almost the size of Africa's current GDP.¹² The largest share of needed investment is in network and storage, which is estimated to cost around US\$1.1 trillion over the period 2022-50.¹³ West Africa is estimated to require more than US\$500 billion in investment, 40% of it for network and storage. What is the West Africa Energy Program?

The West Africa Energy Program run by US AID's Power Africa division includes support for five solar projects which will provide about 150MW of electricity, including the Kodeni and Nagréongo solar plants in Burkina Faso and a 250MW solar / hydropower hybrid plant in Ghana.

What are West Africans doing to improve their power systems?

West Africans are now moving in many directions to enhance their power systems. This report offers an overview of the challenges and the great profusion of activity across the region. It should inform conversation at Nigeria Energy in Lagos (19-21 September) and at the Africa Energy Expo in Rwanda next year.

Where in West Africa is the biggest power generation project?

There are significant power generation projects planned or underway in most parts of West Africa, with regional economic heavyweight Nigeria the most active market and also home to the biggest scheme: the 3GW Mambilla hydroelectric plant.

How much energy is invested in Africa?

Over the past decade roughly half of energy investment in Africa has been in oil and gas, primarily made by private companies with a view to export. Meanwhile, spending on clean energy remained relatively flat at less than USD 30 billion per year until 2021.



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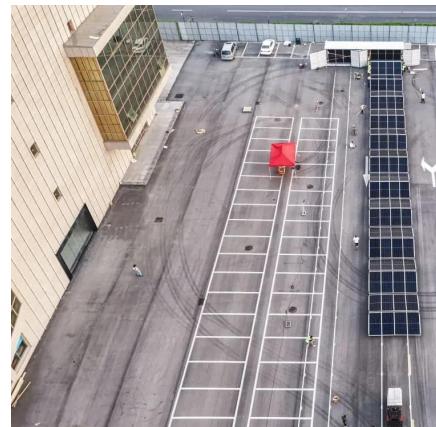
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