

## Kongres Container

# Guinea 2025 Energy Storage Project



## Overview

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The Global Energy Alliance for People and Planet (GEAPP) is leading this initiative, which includes the installation of three battery storage systems and a 30 MW solar photovoltaic (PV) plant, marking a pivotal moment in the nation's energy transition. What will Guinea's energy mix look like by 2025?

Guinea's energy mix by 2025 will be dominated by hydropower, which would account for over 80 percent of the total installed capacity, should these planned investments be realized. Solar power is also growing in popularity for both corporate and residential use.

What is Guinea's energy strategy?

Includes a market overview and trade data. The Guinean government has announced a long-term energy strategy focusing on renewable sources of electricity including solar and hydroelectric as a way to promote environmentally friendly development, to reduce budget reliance on imported fuel, and to take advantage of Guinea's abundant water resources.

What is the biggest energy investment in Guinea?

The largest energy sector investment in Guinea is the 450MW Souapiti dam project (valued at USD 2.1 billion), begun in late 2015 with Chinese investment. A Chinese firm likewise completed the 240MW Kaleta Dam (valued at USD 526 million) in May 2015.

How does Guinea's energy system affect the economy?

Impact: Guinea's unreliable, underdeveloped energy system constrains industrialization, public service delivery, and economic productivity. Millions remain locked out of opportunity due to energy poverty, while national assets in hydro and solar energy remain vastly underutilized.

Is Guinea a potential exporter of power?

Guinea's hydropower potential is estimated at over 6,000MW, making it a

potential exporter of power to neighboring countries. The largest energy sector investment in Guinea is the 450MW Souapiti dam project (valued at USD 2.1 billion), begun in late 2015 with Chinese investment.

Why does the Republic of Guinea have a low electricity supply?

Why it matters: Despite immense renewable energy potential, the Republic of Guinea suffers from low electrification rates, frequent power outages, and a heavy reliance on diesel generators. National electricity access stands at under 40%, with rural access below 15%, and even urban areas face unreliable supply.

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