



Nairobi data center energy storage

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The first time most visitors come to Kenya and witness the incredible transformation happening beneath its volcanic landscapes, it's a spectacle to behold. It's not just a story of power generation--it's a narrative of pure innovation that's reshaping how we think about sustainable technology.

Kenya isn't just producing renewable energy; it's crafting a blueprint for the future. With approximately 950 MW of geothermal power humming from the Olkaria and Menengai fields, the country has become a quiet powerhouse, generating 48% of its electricity through this remarkable green technology. But this isn't just about numbers--it's about vision. Source: Think GeoEnergy 2021

You might be surprised to learn that while everyone talks about Iceland's geothermal prowess, Kenya is actually outperforming the Nordic nation. Picture this: Iceland generates 750 MW and meets 27% of its electricity needs through geothermal energy. Impressive, right? But Kenya? We're talking about a country that's not just competing but leading, ranking 6th globally in geothermal production. Energy experts say Kenya is rewriting the renewable energy playbook.

When President William Ruto speaks about transforming Kenya into a renewable energy hub, it's not political rhetoric--it's a meticulously crafted strategy. We're not just generating power, he recently shared, we're generating possibilities.

What makes Kenya's journey extraordinary isn't just the technical achievement. It's the human spirit of innovation, the audacity to look at volcanic landscapes and see not just terrain, but tremendous potential. This isn't just an investment opportunity. It's an invitation to be part of a transformative narrative. By choosing Kenya, you're not merely selecting a location--you're aligning with a vision of sustainable, scalable, and soulful technological progress.

Situated on a 4.3-acre campus along Nairobi's Mombasa Road, iXAfrica's NBOX1 is a green data centre that leverages sustainable energy solutions to meet East Africa's demand for high-capacity, cloud-ready data storage.

Our facility is strategically designed for efficiency and security, featuring initial power support of 2x11 KV electrical feeders with 2x4 MVA, and scaling to a planned 66 KV substation offering 2x40 MVA to support high voltage operations.

Developed with Future-tech's expertise, iXAfrica Data Centre brings world-class, AI-ready data solutions to Kenya, supporting businesses with secure colocation, eco-friendly power infrastructure, and the robust reliability needed for enterprise-scale demands.



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Nicknamed "NBOX1", the new development is now open and ready for business as a carrier-neutral, AI-ready data center – the largest and most technologically advanced digital habitat for cloud, colocation and connectivity in East Africa. It is designed to attract hyperscale and internet customers to the region's largest data hub, delivering a customer and user experience comparable to facilities in North America and Western Europe.

Underpinning the launch of NBOX1 is Schneider Electric's proven EcoStruxure for Data Centers architecture and solutions, providing the new data center with maximum resilience, uptime and cost efficiency, enhanced security, and the ability to meet IXAfrica's sustainability goals.

Backed by a \$50m capital investment from leading investment firm Helios, IXAfrica's new data center is positioned amid Africa's growing technology epicenter, the so-called "Digital Savannah" - serves a population of over 300 million and supports an ecosystem for innovation which includes a skilled workforce, cloud and content providers, and colocation and connectivity services.

"Kenya," says Snehar Shah, CEO IXAfrica, "is a hyper cloud-ready region with advanced cloud adoption propensities, a digitally savvy ecosystem, access to diverse internet fibre connectivity, high-availability and low-carbon sources of power. This all sits within a country offering a stable regulatory and political environment, and a strong economy forecast to grow 5.2% in 2024."

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