

East Africa Energy and Power Data Center





Overview

Tatu City, Kenya, 10 September 2025 – Home to Nxtra by Airtel's 44MW sustainable data centre, Tatu City Special Economic Zone has established itself as East Africa's data centre hub. Tatu City provides 95% renewable energy. Executives from Airtel Africa, Government representatives, and Rendeavour at the official groundbreaking ceremony of the Nxtra by Airtel Africa data centre at Tatu City SEZ, Kenya. Data centre operators are building capacity to serve a fast-growing digital economy. Around the world, data centres are a hot new asset class. Country-level summary insights are available separately from the Digital Investment Facility team. For this iteration of the report, estimates cover five countries principally: Ethiopia, Kenya. Worldwide, uninterruptible power supply demand for IT equipment alone is forecast to reach 249 GW by 2030, with total installed capacity, including cooling and ancillary.



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The EAPP

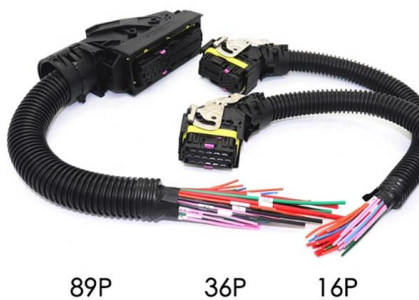
The EAPP now has 13 member countries and 14 member utilities with the General Secretariat based in Addis Ababa, Ethiopia. The Eastern Africa Power Pool area

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How Data Centers Are Reshaping Africa's Power Market

Despite the potential, Africa's data center-driven power transformation faces structural hurdles. Reliable electricity supply remains uneven, with frequent outages and limited redundancy undermining

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Kenya suspends \$1 billion Microsoft data centre as energy shortfall

Kenya's plans to host a \$1 billion data centre backed by Microsoft and UAE-based G42 have stalled, after President William Ruto said the country lacks sufficient power capacity to support

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Africa's Data Centers Set to Power the AI Revolution

Consulting firm McKinsey projects that data center capacity in Africa's five largest markets; South Africa, Kenya, Nigeria, Morocco, and Egypt will



How Data Centers Are Reshaping Africa's Power Market

Kenya is emerging as East Africa's fastest-growing hub, with around 40 MW of IT load capacity and a projected 30% CAGR through 2028. The market is being shaped by proactive

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Microsoft and G42 announce \$1 billion comprehensive digital

Sustainable data center infrastructure and new East Africa cloudregion As part of the agreement, G42, in collaboration with local partners, will design and build a state-of-the-art data



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It aimed at initiating discussions on common mapping standards and developed a common geo-database for the energy sector in the EAC

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Africa data centres power up

Kenya is already capitalising on its extremely green electricity mix to become the data centre hub for East Africa (its power production is 90 per cent

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Airtel Breaks Ground on East Africa's Largest Data

Airtel has begun construction on a 44MW Nextra data center campus at Tatu City Special Economic Zone outside Nairobi, Kenya, marking one of the

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Middle East Energy

Middle East Energy 2026 is further amplified by three co-located powerhouses: The Battery Show Middle East, Intersolar Middle East, and Energy Storage Middle

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How the War in the Middle East is Affecting Energy, Trade, and

For fuel-importing economies, the effect is that of a large, sudden tax on income. The multi-regional impact is apparent. Energy-importing economies in Africa, the Middle East and Latin

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Kenya's \$1 Billion Microsoft Data Center Gone Dark

Kenya's ambition to position itself as Africa's leading technology hub has encountered a significant setback after plans for a proposed \$1 billion hyperscale data center backed by Microsoft and UAE

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EAST AFRICA DATA CENTER MARKETS



East Africa's mix of enabling regulations, favorable build conditions and government support for cloud adoption have provided a welcoming operating environment for data center construction and operation.

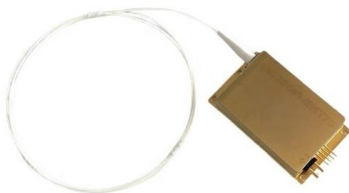
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The EastAfrican

For a clearer and in-depth understanding of the political and economic issues in the East African region. The EastAfrican offers analysis on politics, economics, business and science from East Africa.

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News

News from the connectivity and digital infrastructure sectors, including telecoms, data centres, tower and wireless, subsea and more.

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Measuring energy and water efficiency for Microsoft

What is PUE? Power Usage Effectiveness, or PUE, is an industry metric that measures the energy efficiency of a datacenter. It considers things like powering,

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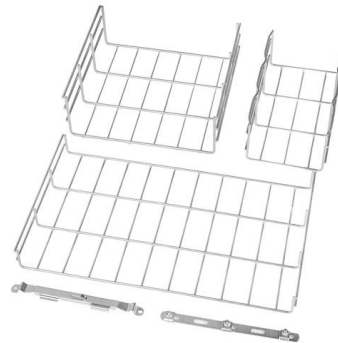




Kenyan President says to power Microsoft's datacenter 'we would

Kenyan President William Ruto recently said that powering Microsoft's upcoming data centre may require more electricity than the entire country can spare. "We would need to switch off

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Tatu City cements status as East Africa's data centre hub

Tatu City delivers more than 95% renewable energy, making it one of the most sustainable locations for data centres worldwide. One-third of its demand is met directly by solar power.

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Data Center Site Selection in East Africa: What

As cloud migration accelerates and regional connectivity deepens, those who understand the interplay between power, fibre, and climate will lead

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Middle East and Africa Energy Storage Outlook 2025

'The Middle East and Africa (MEA) Energy Storage Outlook' analyses key market drivers, barriers, and policies shaping energy storage adoption across grid-scale and distributed segments.

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AI Datacenter Liquid Cooling Market

Demand for liquid cooling is shaped by the rapid deployment of high-power AI accelerators that generate thermal loads exceeding the capacity of

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Microsoft's \$1B Kenyan data center delayed over payment dispute

Talks hit payment snag: Negotiations stalled when Kenya declined Microsoft's request for guaranteed annual capacity payments at the level proposed for the East Africa data center. Power

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<https://www.frindel.es>