

East African Energy Internet Industry Cluster



Overview

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

Key Takeaways

The East African Energy Internet Industry Cluster integrates regional energy infrastructure, digital networks, and industrial investment to drive economic growth and technological development across the EAC.

Overview

The East African Energy Internet Industry Cluster represents a strategic convergence of energy generation, digital infrastructure, and industrial development across East Africa. It is anchored by the East African Community (EAC), which promotes regional integration among its member states—Burundi, Kenya, Rwanda, South Sudan, Tanzania, Uganda, and recently Somalia—facilitating cross-border collaboration in energy and technology sectors. The cluster leverages both renewable and conventional energy sources to meet the growing demand from industrial, commercial, and digital infrastructure users.

Key Components¹.



Energy Infrastructure and Cross-

Border Integration The Eastern Africa Power Pool (EAPP) coordinates cross-border electricity trade and grid interconnection among 13 member countries, including Kenya, Ethiopia, Uganda, and Tanzania. This integration enables least-cost energy development, enhances grid stability, and supports large-scale industrial and commercial energy users. Notable projects, such as the Ethiopia-Kenya electricity highway, demonstrate the transformative potential of regional energy cooperation.

2. Digital Infrastructure and Data Centers Data centers are emerging as anchor customers for reliable electricity, driving investment in power generation and grid expansion. Companies like Africa Data Centres and iXAfrica are investing in East Africa, creating predictable energy demand and stimulating technology ecosystems.

This digital infrastructure supports cloud computing, fintech, and other high-tech industries, positioning East Africa as a competitive hub in the global digital economy.

3. Investment and Industrial Growth The cluster attracts private sector investment through public-private partnerships, off-taker agreements, and regional summits such as the East Africa Energy Cooperation Summit (EA-ECS),.

These initiatives focus on diversified energy mixes, renewable energy adoption, and industrial-scale energy solutions to support manufacturing, mining, and commercial enterprises.

The EA

C Secretariat plays a central role in convening investors, policymakers, and energy stakeholders to foster industrialization and regional economic development.

Strategic Benefits

Reliable and bankable energy supply for industrial and digital sectors
Regional economic integration through cross-border energy trade
Job creation and technology ecosystem development via data center and digital infrastructure projects
Support for renewable energy transition and sustainable industrial growth
Future Outlook East Africa's Energy Internet Cluster is poised for rapid expansion, driven by rising energy demand, digital transformation, and regional policy support. With continued investment in grid interconnection, renewable energy, and data center infrastructure, the cluster is expected to enhance energy access, industrial competitiveness, and regional economic resilience.

This integrated approach positions East Africa as a model for combining energy, digital infrastructure, and industrial development in a sustainable and investment-friendly environment.

Article Content

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Building on the success of last year, the summit will foster cooperation across East Africa, reflecting the East African Community's (EAC)

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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 is known for its rich energy resources

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In the race against time, rapid decarbonization of industrial clusters is crucial to expedite the path to a net-zero future. Governments and companies

PRESS RELEASE: How the East African Community

The East Africa Energy Cooperation Summit will serve as the ideal platform for advancing projects and bringing tangible changes in the industry,”

Unleashing the Full Potential of Industrial Clusters:

Executive summary To accelerate the energy transition, industry leaders across multiple sectors together with policy-makers have the opportunity to harness the power of industrial clusters and

How the East African Community is set to Catalyse Digital ...

The East Africa Energy Cooperation Summit brings together prominent politicians and leaders from all the eight EAC member countries and their respective energy sectors.

EAC And EnergyNet Sign Partnership For East Africa Energy

The East African Community (EAC) has partnered with EnergyNet to organize The East Africa Energy Cooperation Summit (EA-ECS) in 2025.

EnergyNet Ltd. / Press release | East Africa Energy Cooperation

ARUSHA, Tanzania, January 30, 2025/APO Group/ -- The expansion of the East African regional energy sector is happening right now and is set for future growth. This was the clear message from the East

East Africa energy cooperation summit held to drive

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