Premium Business Event in Africa for Power, Renewable, Solar Energy and Electrical Industry

powerelec Kenya

13 - 15 NOV 2024
Nairobi, Kenya
www.powereleckenya.com

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Kenya Advantage

Powerelec welcomes you to Kenya - A leader in renewable power 92% of Kenya's power generation is from renewables

Riding on the massive success of **POWERELEC KENYA 2023** and Renewaable Energy Forum Africa REFA 2023 which saw significant participation from the stakeholders, Powerelec has announced next edition dates for the annual trade show in Kenya. The largest international Trade show is curated exclusively for the solar , renewables, power and electrical segment. It will behosted in Nairobi from **13-15 November 2024.**

Powerelec Kenya is an integrated platform for all the stakeholders in the power sector to network and display products (in power generation, electronics, electrical, services and technology), exchange ideas and understand trends, under one roof. The show will benefit not only Kenya but the entire East African market segment, is expected to have country pavilions from India, China ,Korea, Turkey, Egypt, among others.

Powerelec, which makes its debut in Kenya, will give domestic enterprises access to international organizations, suppliers, investors, technology experts, and EPC companies. The show will be a perfect platform for all international and national players to forge partnerships and sign business deals.

Kenya is one of the fastest growing economies in the sub-Saharan region. As per World Bank estimates, Kenya will see 5.5% growth in FY2023-24.

Presently, with a population of 56,579,870, Kenya provides electricity access to more than 75% residents (93.3%, 65% rural). By 2030, the country aims to electrify 100% of its population and provide competitively priced, dependable, safe, and sustainable energy.

The present government is proactively creating conducive environment for the power sector and formulating favourable policies to support growth.

Vision 2030

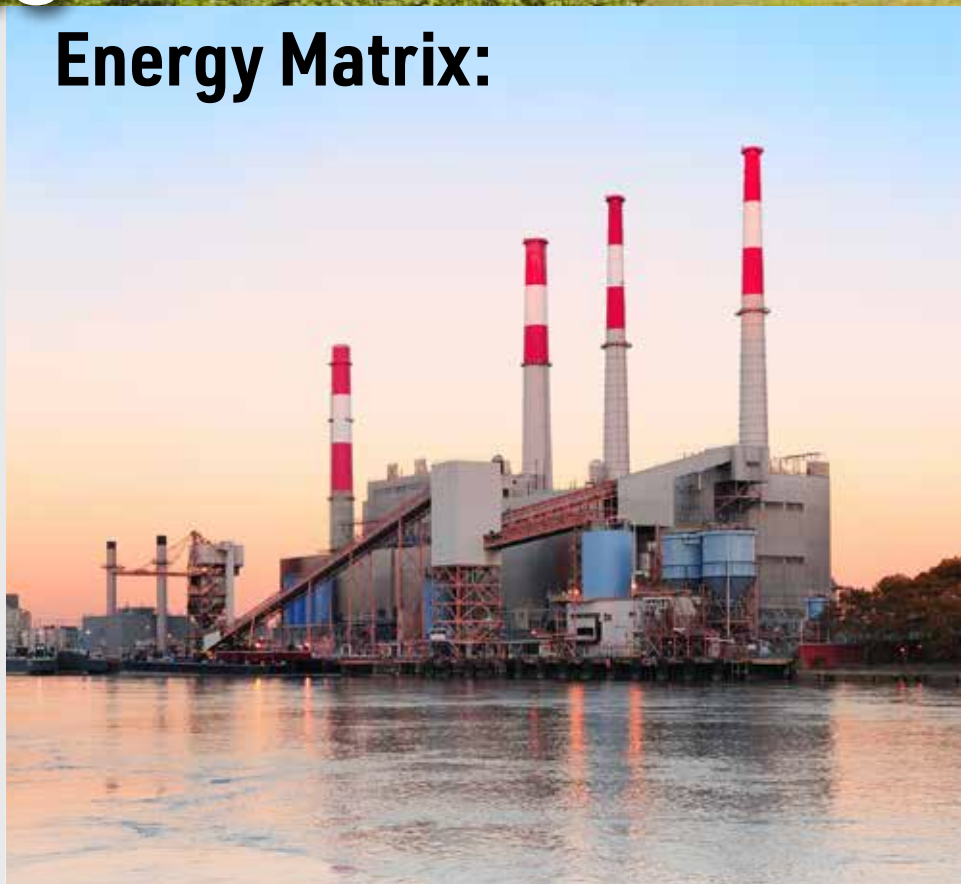
As per the vision 2030 document, the Kenyan government wants to transform Kenya into an industrialized, middle-income country providing better quality life to its citizens. The slew of projects announced will enable the government to focus on the rural electrification program / electricity access program.

Kenya a renewable energy leader
Kenya is a leader in clean energy development with 92% of electricity from renewable sources, of which 44% came from geothermal, 36% from hydropower, wind, and solar. Fossil fuels contributed 7% to the energy mix. Additionally, Kenya has prioritized low-carbon resilient investments to reduce its already low greenhouse gas emissions to 32% by 2030.

Kenya has established policies and a regulatory environment to spearhead green investments. The USAID backed Power Africa initiative has enhanced access to clean, reliable, and affordable electricity in Kenya.

Combined with private sector participation, the initiative has helped more than one million Kenyans access electricity through new mini grid installations and solar home systems.

Energy Matrix:



The power demand in Kenya is increasing. This translates to capacity addition in power generation, transmission and distribution. The discovery of coal and oil reserves will increase the need for construction and thus, energy.

According to official data, the total installed capacity of Kenya stands at 2990 MW (which is estimated as just 2% of its potential). Kenya's energy mix comprises of 838 MW from hydro, 863 MW from geothermal, 437 MW from wind power, 173 MW from solar, 677 MW from thermal and 2 MW from biomass. Of these, geothermal energy remains the main stay. The country is attracting more investments in geothermal and renewables segment including solar and wind.

The government aims to reach 100 GW by 2040. According to estimates, the country requires investments worth approximately US$300 billion to obtain the goals.

Renewable Sources

Geothermal
Kenya is the eighth largest geothermal producer in the world. Geothermal will remain the most significant source with an estimated potential of 10,000 MW, but it is relatively unexploited with a current installed capacity of 863 MW. However, the trend is changing, and various projects are currently underway by both the public and private sector that can realize over 1,100 MW capacity.

Wind
Wind energy is another key growth area. Kenya is estimated to have a potential of 3,000 MW. The country aims to generate 2,036 MW, or 9% of the country's total capacity, by 2030.

Solar
Kenya has a high potential for solar power. The government plans to increase the solar energy generation capacity to 600 MW by 2030. The estimated solar potential in Kenya is almost 15,000 MW.

Transmission
Kenya experiences approximately 16% system loss of generated power due to aging transmission and distribution networks. To address this, Kenya Electricity Transmission Company (KETRACO) is constructing 4,500 kms of new lines. Kenya will also see the high voltage 400kV and 500kV DC lines, and three major regional inter-connectors to Ethiopia, Uganda, and Tanzania. KETRACO is planning an additional 4,200 kms lines to further strengthen the grid.

Distribution
Kenya Power (KP) is currently the sole distribution company operating both grid and off-grid. KP has been assisted in this effort by Rural Electrification and Renewable Energy Corporation (REREC). REREC's mandate was to accelerate rural electrification, and since inception in 2006, it has helped move rural electrification from 4% to 32% of rural households.

Together, KP and REREC have four major objectives to develop distribution and access in Kenya:

* Reach near-universal access by 2022, by adding one million new customers to the grid each year. The World Bank has partnered with Kenya in providing financing for this program.
* Build a stronger and more flexible grid by developing redundancies, reducing losses, and adding smart technologies. Current transmission losses are 4.5%, and distribution losses are 15%.
* Increase renewable off-grid access. By converting the existing 19 off-grid diesel-powered stations to solar-diesel hybrids, add 43 solar mini-grids through the Scaling Up Renewable Energy Program (SREP).

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Why you should exhibit

* World class infrastructure including accessible roads and easy access to airports and ports
* Networking opportunity with key decision makers in the government, private developers and utilities
* Guaranteed quality buyers
* Stop by from domestic visitors from Nigeria, Ghana, Burkina Faso, Niger, Sudan, Algeria, Egypt, Ethiopia, Kenya, Tanzania and other African Countries to help connect with a larger African market.
* Presence of global majors and mall-scale manufacturers - the entire value chain including supply chain, logistics & vendor capability assessment.
* Direct trade engagement with buyers and sellers.
* Buyer seller pre-arranged meetings for all the exhibitors
* Preview new and upcoming product & technology, new specs & standards.

Visitors Profile

- Utilities & IPP's Public and Municipal Utility Owners & Managers
- Government and Regulatory Executives
- Independent Power Producers
- Original Equipment Manufacturers
- Plants & Project Management Power / Heat Plant Owners & Operators
- Plant Service Sector
- Project Developers & Managers
- Engineers Design / Structural / Construction Engineers
- Industrial Facilities Personnel Mechanical / Electrical Plant Engineers
- Investors & Advisors Strategic and Portfolio Investors
- Industry Consultants and Advisers
- Energy Traders & Trade Press

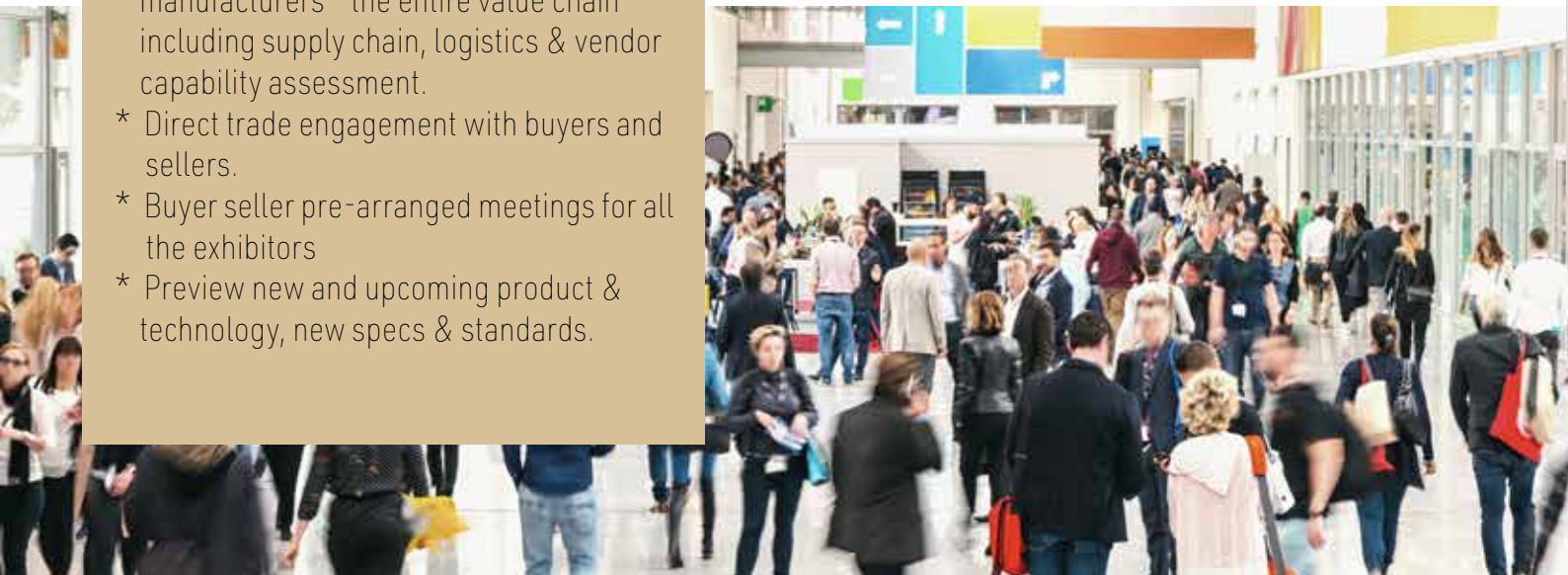

Exhibit Profile

Captive and Co-generation Plants, Geo Thermal, Thermal Power, Decentralised Generation, New & Renewable Energy Plants

- Generators and Diesel Generating Sets
- Wind and Solar Power Equipment
- Electric Drives, Batteries, Inverters, UPS Systems

Transmission & Distribution Equipments

- Transmission Lines, Towers & Accessories
- Sub Station Equipments
- Power and Distribution Transformers
- Switchgear and Controlgear
- Measuring Instruments and meters
- Cables and Conductors
- Cabling and Wiring Products and accessories
- Capacitors, Insulators, Insulation Materials and Electrical Components
- Equipment for Alternate Sources of Energy

Utilization, Controlling and Measuring Equipment

- Household Electrical Appliances and Products
- Safety Systems and Devices
- Lighting Systems and Solutions, Lighting Fixtures and Accessories
- Lamps and LEDs
- Regulating and Control Equipment
- Automation Systems
- Building Automation Products
- Rotating Machines
- Energy Saving Equipments
- EPC Contractors

Shell Scheme Booth (minimum 9 sq.m)

High Profile Shell Scheme package includes:
40x04 Maxima profile structure with 2.5m walls (as per the image)

- 0.24m fascia for stand number and exhibitor name in black lettering
- 0.6m fascia for sponsor logo, event logo, flags etc.
- 3 x Spotlight per 9sqm
- 1 x Round Table (WWR01) per 9sqm
- 1 x Dust-bin per 9sqm
- 1 x 13amp power point per 9sqm
- 1x Lockable Counter per 9sqm
- 2 x Chairs per 9sqm

Participation Charges

Raw space
(minimum 12 sq.m)
US$ 430 per sq.m

Shell Scheme Stand
(minimum 9 sq.m)
US$ 475 per sq.m

Includes:
3 spotlights, 1 power socket, 2 chairs, 1 table, 1 dust bin

VERIFAIR
intelligent interface

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