

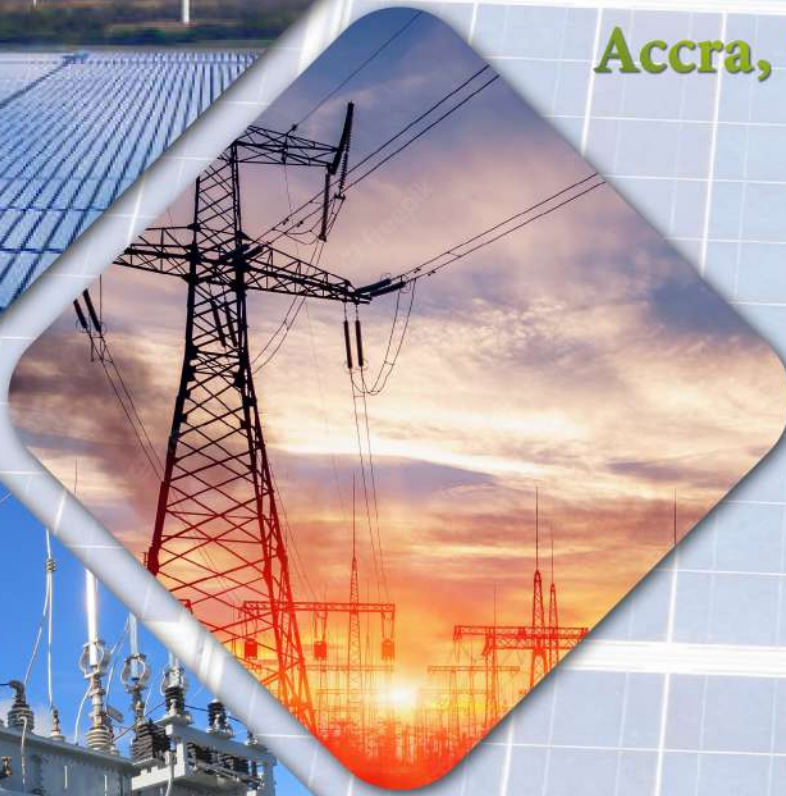


POWER & ENERGY GHANA EXPO 2022

14 15 16

Nov, 2022

Accra, Ghana



POWER & ENERGY GHANA EXPO

ORGANIZED BY



UNDER THE AUSPICES OF



SUPPORTED BY



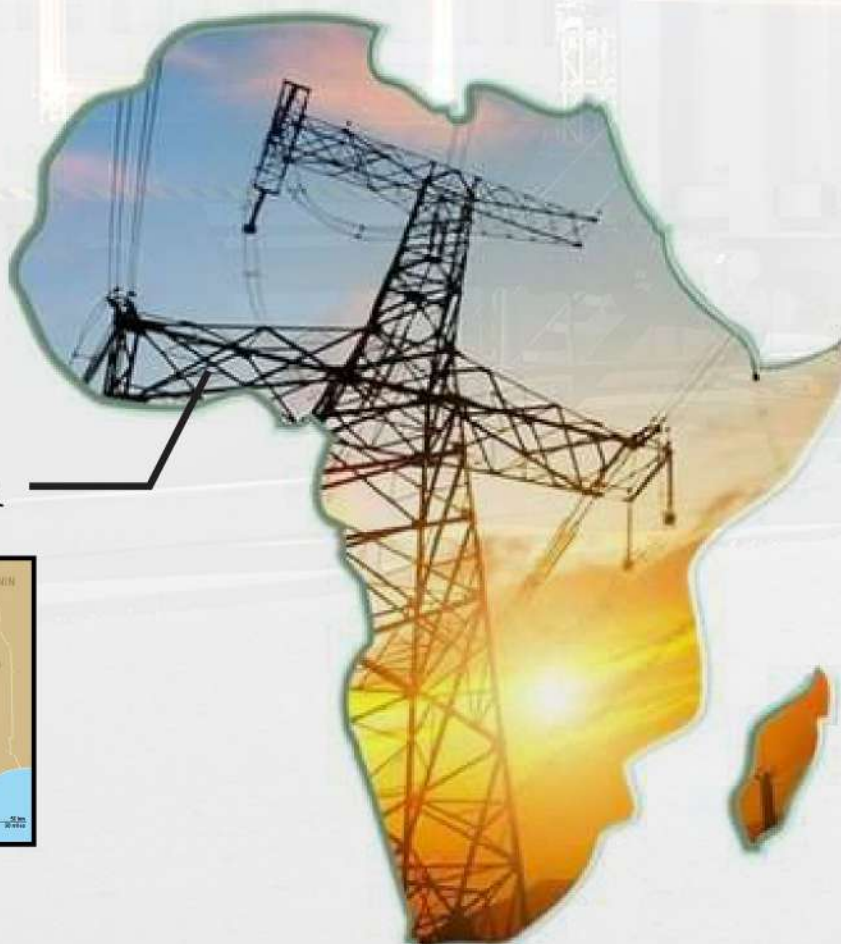
About Power Energy Ghana Expo

Power Energy Ghana Expo is would be the finest marketing and reaching out platform for global manufacturers and exporters of all products and items related to power energy and electrical and engineering to exhibit and meet with their partners and distributors and end customers in the Ghana and West African region.

The expo is expecting **100+** exhibitors with over **4000+** professional visitors in the expo from the power and electrical engineering installation and dealership and distribution business in Ghana and West Africa, at Accra International Conference Centre, Ghana from **14-16 Nov 2022**.

The expo is organized under the auspices of the Ministry of Energy & Ministry of Trade & Investment of Ghana and also with the support of all major chambers and sectoral associations in Ghana, including the AGI, Ghana National Chamber, Ghana Electrical Contractors Association, Ghana Electrical Dealers Association etc.

GHANA



Exhibition At A Glance



100+

EXHIBITORS



4000+

PROFESSIONAL
VISITORS



5+

COUNTRIES
REPRESENTED



3000+

SQM
EXHIBITION AREA



Why Ghana?

- ❖ Ghana with a population of 31million and total installed power generation capacity of over 5,000MW in 2021 – is a power exporter to its neighbors and 85% of the population have access to power.
- ❖ About 25% of electricity generated in Ghana is lost at the retail end, due to inefficient transmission infrastructure and commercial negligence/ losses, resulting economic and commercial loss.
- ❖ 10-15% annual power demand growth in the country due to expanding industrial sector, service sector, especially banking, communication, and hospitality services, rapid urbanization, growth of middle-class population and population growth.
- ❖ Ghanaian thrust on renewable sources for power generation, with solar photovoltaic and wind energy being the priority, ministry and government encouraging private sector involvement and participation in the sector in increasing power generation.
- ❖ Ghanaian government incentivizing and initiating plans/ schemes to attract and deploy private players in the sub sectors of the Power & energy sectors, especially transmission, storage, conservation, installation assembly and maintenance.
- ❖ Common & public amenities requiring power requirements like street lights, energy monitory gadgets to save power & electrical at commercial and industrial units, decentralized power systems to generate electricity for deprived pockets of the country are among demand areas identified by GIPC.

Exhibitor Profile:

- ❖ Generation of electrical energy
- ❖ Electrical Distribution & Transmission Equipment
- ❖ Power electronics
- ❖ Electrical substations
- ❖ Power distribution and control
- ❖ Process control products
- ❖ Electricity measuring, metering and control
- ❖ Automation systems and equipment
- ❖ Lightings and lighting systems
- ❖ Maintenance and services
- ❖ Renewable energies, New energies
- ❖ Training and education
- ❖ Turn-key contracting
- ❖ Consultancy Generation of electrical energy
- ❖ HVAC Equipment & Accessories
- ❖ Hydro Power
- ❖ Insulation material
- ❖ Installation Equipment
- ❖ Intelligent Building Products
- ❖ Transformers & Generators
- ❖ Electrical Control Devices
- ❖ Electronics
- ❖ Components and Accessories
- ❖ Wire & Cables
- ❖ Energy Efficiency & Conservation Solar & Wind Power Equipment
- ❖ Insulators
- ❖ Switchgear and Control Gear
- ❖ Power Transmission Equipment's
- ❖ Thermal Power



Visitor Profile:

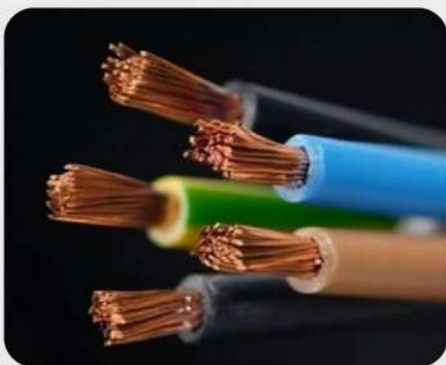
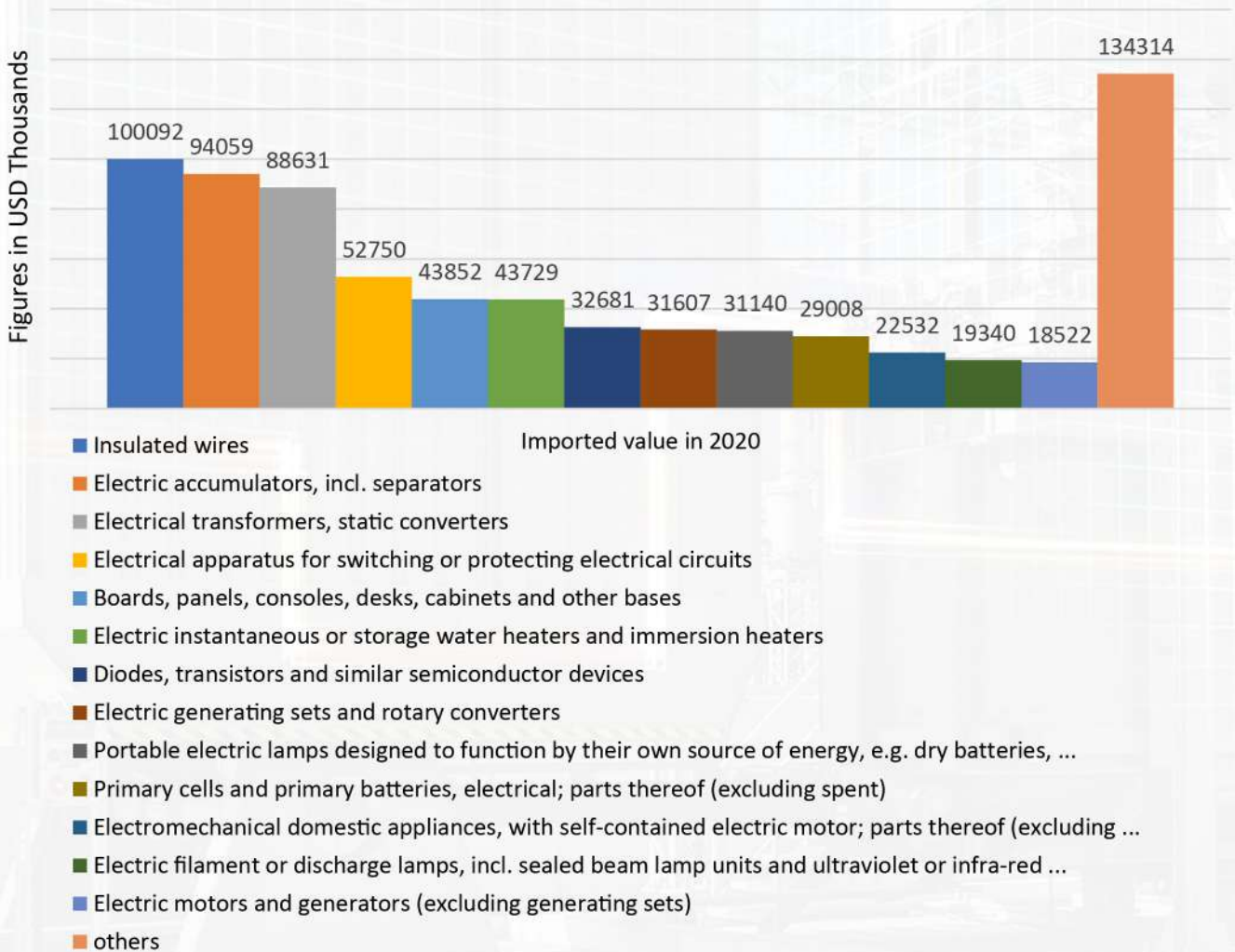
- ❖ Government Ministries, Energy Departments and Agencies
- ❖ Consulting Engineers, Project developers and Construction Firms
- ❖ Electrical Contractors, Installation Engineers, Dealers & distributors
- ❖ Importers, Distributors and Agents
- ❖ Contractors, Developers, Engineers
- ❖ State Owned / Public and Private Power Utilities
- ❖ State Owned Transmission and Distribution Utilities
- ❖ Architects, Consultants and Engineers
- ❖ Company Owners / Partners
- ❖ Environment Agencies and Government Personnel
- ❖ Facility Managers | Directors
- ❖ Independent Power Producers
- ❖ Industrial Co - generators / Self Generators
- ❖ Interior / Lighting Designers
- ❖ Manufacturers
- ❖ Marketing & Sales Personnel
- ❖ On-site Power and Back-up Power distributors and dealers
- ❖ Original Equipment Manufacturers (OEMs)
- ❖ Project Directors & Managers



Key Stats

- ❖ Ghana imported electrical items, power energy equipment's and machineries, together touches USD 743Mn in 2020, a whopping growth of roughly 48% from 2019.

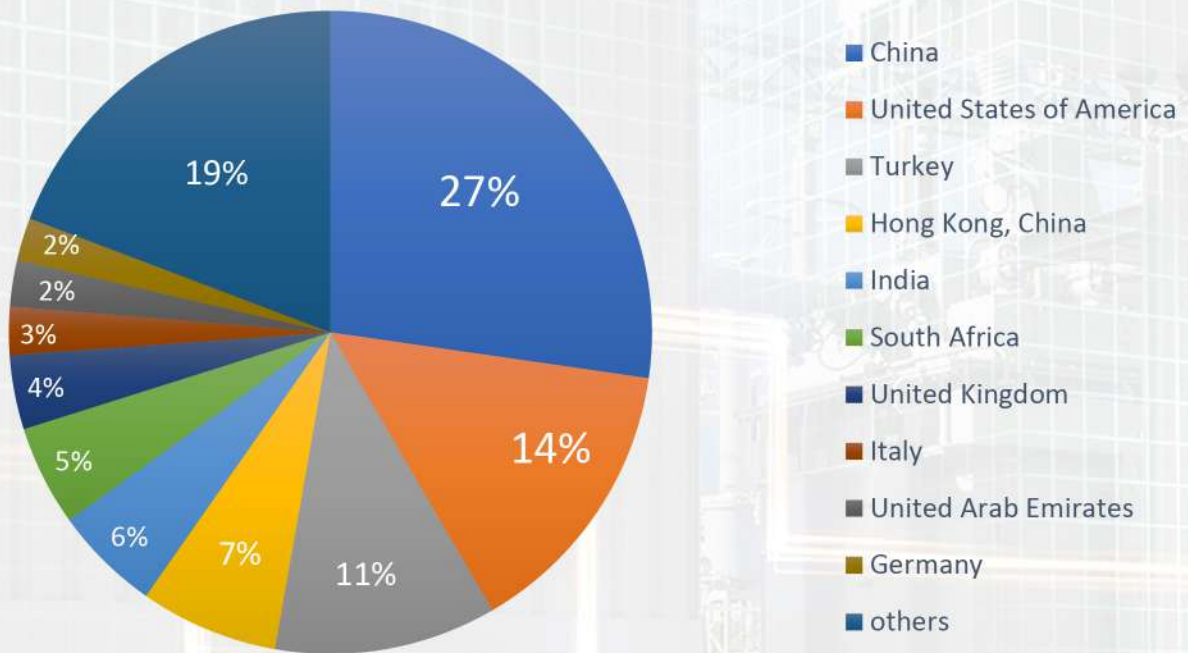
Ghana Imports of Power and Electrical Items in 2020



Key Stats

- ❖ Insulated wires, accumulators, transformers, converters, switching and electrical circuits form the majority of the imports.

Ghana Power & Energy Import countrywise in 2019



Market Insight

5000MW+ installed power generation capacity, still cannot meet demand

Huge transmission losses (25%) impacting country economical & industrial growth

10-15% rise in annual demand for power from residential and commercial sector

More power generation needed from renewable sources of energy

- ❖ Ghana with a population of 31million and total installed power generation capacity of over 5,000MW in 2021 – is a power exporter to its neighbors and 85% of the population have access to power, majorly urban population.
- ❖ Ghana have made significant progress in last decade in increasing electricity generation and access, resulting in high economic growth. However, inefficiencies lie besides these improvements including extraordinarily high distribution losses and electricity is quite expensive in Ghana.
- ❖ About 25% of electricity generated in Ghana is lost at the retail end, caused partially by dilapidated infrastructure as well as commercial losses.
- ❖ Ongoing grid expansions, which include the completion of transmission lines and Bulk Supply Points (BSPs) across the nation, will allow further exports to other neighboring countries in the sub-region.
- ❖ Hydro generation, as well as thermal generation fueled by crude oil, natural gas, and diesel, continue to be the main sources of Ghana's power supply. Ghana also exports power to Togo, Benin, and Burkina Faso.
- ❖ The total installed capacity for existing plants in Ghana is 5,134 Megawatt (MW), Thermal power generation accounts for the largest share - about 6%, followed by hydropower – 33%, and balance from renewable source.

Demand & Opportunities

- ❖ Ghana wants to increase the capacity not only to meet the power demand, which grows at 12-14 per cent every year, but also to export electricity to neighboring countries to accelerate growth and improve the GDP.
- ❖ Ghana's year-on-year power demand grows by 10 to 15 % with supply generally not meeting set targets. The expanding industrial sector, service sector-especially in banking, communication, and hospitality services-rapid urbanization, the growth of the middle class, and growing incomes, together with overall population growth (about 2.3 % per annum), have become major drivers of increasing electricity demand.
- ❖ Ghana wants to be a gateway for supplying power to neighboring countries which do not have the resources to generate electricity. Ghanaian wants to give thrust on renewable sources for power generation, with solar photovoltaic and wind energy being the priority.
- ❖ Ghana projected a need to procure an additional generation capacity of 225 MW by January 2024 and an additional 200 MW by January 2025 to preserve the security of supply in Ghana.
- ❖ There is a stated desire to add more renewable sources such as by harnessing wind power on the coast and establishing solar parks in appropriate areas.
- ❖ The government is developing incentives to attract manufacturers, assemblers, and other operators in this subsector.

According to the Ghana Investment Promotion Center (GIPC), the following needs exist in the power sector:

- ❖ Street lighting.
- ❖ Companies to supply energy-monitoring equipment to better meet the increased requests for power monitoring and tariff analysis from industry in the country.
- ❖ Companies to provide an alternative decentralized sustainable energy system that can easily be deployed in remote and deprived communities.
- ❖ Companies to provide solar vaccine refrigerators for the preservation of vaccines for child immunization programs in remote and off-grid parts of the country.
- ❖ Provision of solar energy systems to schools in off-grid communities.
- ❖ New, higher quality and cost competitive energy services to low-income communities for cooking, transport, water heating and other home appliances.

Challenges that are opportunity in the sector

- ❖ The Institute of Statistical, Social and Economic Research (ISSER) in 2014 estimated Ghana to lose between \$320 million and \$924 million per annum in productivity and economic growth due to the current energy crises.
- ❖ The Wholesale Power Reliability Assessment report (2010) also estimated that Ghana loses between 2 and 6 % of gross domestic product (GDP) annually due to inadequate and unreliable power supply.
- ❖ The power sector faces a host of challenges, including inadequate power supply infrastructure that requires huge investment, over-reliance on hydro and gas, inadequate access to electricity, high cost of fuel for electricity generation, transmission and distribution losses, Future power development faces great challenges due to rising living standards and increasing demand for cleaner energy.

About the Organizer

WegVoraus
MOVING BUSINESS AHEAD

WegVoraus is a Business Promoter & Exhibition Organizer Headquartered in New Delhi, India. We work for prospect industry sectors to help them reach out to the right target audience as well as deliver business expansion solutions. We host 1000+ exhibitors annually since its inception with 4 flagship events and 30+ represented events globally.

To know more visit us @ www.wegvoraus.com

Venue: Accra International Conference Centre, Ghana

AICC is one of the most preferred destinations for hosting large scale business events and conferences, especially due to its attractive location being near to International Airport and also being close to a number of luxury accommodation options in the city.

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For any queries, please contact

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Mark your calendar!!

14-16 November, 2022
@ AICC, Accra