PowerGen Technologies Ltd.

ISO 9001:2015 BUREAU VERITAS Certification

ISO 14001 BUREAU VERITAS Certification

ISO 45001:2018 BUREAU VERITAS Certification

UKAS MANAGEMENT SYSTEMS 0008

COMPANY PROFILE

NCA National Construction Authority

&

EPRA Energy & Petroleum Regulatory Authority

fully registered EPC Company

POWERGEN TECHNOLOGIES LIMITED

Contact Us:

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Vision

To become the leading services provider in Energy Telecommunication and other infrastructural developments in Africa.

Mission

To provide quality, reliable and efficient services in energy, telecommunication and civil infrastructure in Africa.

QUALITY MANAGEMENT POLICY

Powergen Technologies Limited provides solutions in Energy, telecommunication, and other infrastructural developments by applying the latest technology in Engineering and Construction.

We aim to become the leading service provider in Africa through provision of quality, reliable and efficient services to our customers.

In order to achieve our vision and mission, we have implemented a Quality Management System (QMS) in line with the requirements of ISO 9001:2015 Standard.

- To develop a full understanding of our clients' needs and propose solutions for their satisfaction.
- To comply with the applicable standards and statutory regulations for all our activities and continually improve the effectiveness of the Quality Management System.
- To establish, implement, monitor and review the quality objectives and procedures for the overall improvement of our business performance.
- To promote quality awareness to all our employees, service providers and other interested parties.
- To remain compliant with the Quality Management System ISO 9001:2015

OCCUPATIONAL HEALTH, SAFETY AND ENVIRONMENT POLICY STATEMENT:

Powergen Technologies Limited provide services in various engineering disciplines including power generation, transmission and distribution, construction of telecommunication towers, installation of fiber optic networks and supplies of related equipment. The company maintains high standards of occupational health, safety and environment during the execution of all their operations.

The company has committed to do all that is reasonably practicable to prevent personal injury and damage to property, and to protect the environment.

In particular, Powergen Technologies Limited undertakes to;
a) Comply with all legal and other requirements regarding occupational health and safety and environment.

b) Provide workplace, work equipment and work methods which are safe and free of risk to health and environment.

c)Actively promote the participation and consultation of all stakeholders of Powergen Technologies Ltd.

d)Apply all reasonably practicable measures to reduce the risk of incidents, accidents, diseases and pollution during our operations by mitigation and control hazards associated with our business activities.

e) Protect Environment and seek improvement with regards to emissions, waste discharges, energy use, resource consumption and ecological footprint.

f) Communicate and promote Health and Safety policies and procedures to all employees and effected parties.

g) Provide appropriate resources, including training to all our employees and continued health, safety and environment education for our personnel and contractors to ensure that this policy is implemented and maintained.

h) Closely monitor all environmental, health and safety plans to ensure ongoing effectiveness.
i)Document, maintain, review, audit and continuously improve OHS and Environment performance in accordance with ISO 45001-2018 and 14001-2015 Standard requirements;

It is the duty of all employees to;
a)Act responsibly in order to prevent all occupational injuries to themselves, their colleagues, or to the environment.

b) Report incidents that may lead to, or that have led to personal injury, property damage or the environment degradation

c)Comply with all safety instructions, policies and procedures.

- ***Build institutional capacity to continually implement and improve the QHSE in line with requirements of ISO standards: ISO 9001:2015, ISO 45001:2018 and ISO 14001:2015***
- ***Establish, Implement and Review the quality objectives regularly.***
- ***Communicate the quality policy to all employees and relevant stakeholders***

POWERGEN TECHNOLOGIES LIMITED was incorporated in the year 2008 to undertake Power and Telecommunication projects. Over time, the company has developed to an EPC contractor dealing with the following:

Energy Sector

- HV Transmission Substations and Lines, up to 400kV- Turnkey.
- MV Distribution Substations and Lines up to 66kV- Turnkey.
- LV Distribution Systems for 240V and 415V- Turnkey.
- Underground and Sub-marine Cabling- Turnkey.
- Operation and Maintenance of power grid.
- SCADA Automation and Protection Systems
- Power Back-up systems.
- Renewable Energy- Solar, Wind Power and Small Hydros Projects
- Energy Audits

Telecommunications Sector

- OPGW and ADSS Installation in turnkey projects.
- Underground and Submarine Optical Fiber Cable Installation
- Maintenance of Fiber Optic Networks
- Maintenance of Mobile Network
- FTTx Connections

Civil and Structural Engineering Sector

- Construction of Buildings
- Construction of Road Networks
- Construction of Foundations for transmission towers and electrical equipment within substations

Electrical and Civil Engineering Consultancy

Representatives / Distributors of Equipment Manufacturers.

KENYA PROJECTS

Our Projects

1. Supply of MV and LV Line Hardware, Installation and Commissioning of MV and LV Lines, Services Connection for the Mozambique Energy for all- Electricidade de Mozambique, E.P- Mozambique

2. Provision of Fibre Rollout Services- Safaricom PLC, Kenya.

3. Supply, Testing and Commissioning of a 1250kVA Compact Mobile Substation- Kenya Ports Authority, Kenya.

4. Stringing of Optic Fiber Cable- ESCOM, Malawi

5. Supply, Installation, Testing and Commissioning of New Switchgears, Transformers and Cables for 6 No. Rail Mounted Gantry (RMG) Cranes at Container Terminal- Kenya Ports Authority, Kenya.

6. Supply, Installation, Testing and Commissioning of New Switchgears, Transformer and Cables for 6No. New Rail Mounted Gantry Cranes at Container Terminal - Kenya Ports Authority, Kenya.

7. Design, Manufacture, Supply, Installation, Testing and Commissioning of Substation Automation Power System- Kenya Ports Authority, Kenya.
8. Upgrading of Incoming Power from 11kV to 132kV- Supply,

Installation and Commissioning of 2x15MVA, 132kV/11kV Substation and Associated Equipment- Kenya Ports Authority, Kenya

9. Installation and Commissioning of Prepayment and Post-payment active Energy Meters at Low Voltage Supply- KPLC, Kenya.

10.Procurement of Transformer Densification- Design, Supply and Installation of 2147 Single Phase Distribution Transformers, Medium and Low Voltage Lines on Wooden Poles- KPLC, Kenya.

11.Re-routing of UEB 132kV Double Circuit Transmission Line at Central Rift and Reconstruction of Sections of 132kV Single Circuit Transmission Lines in West Kenya- KPLC, Kenya.

12.Design, Supply, Installation and Commissioning of ADSS Fibre Optic Cable- Lot 1 and Lot 2- KPLC, Kenya.

11.Re-routing of UEB 132kV Double Circuit Transmission Line at Central Rift and Reconstruction of Sections of 132kV Single Circuit Transmission Lines in West Kenya- KPLC, Kenya.

12.Design, Supply, Installation and Commissioning of ADSS Fibre Optic Cable- Lot 1 and Lot 2- KPLC, Kenya.

13.Design, Supply and Installation of 33kV Feedouts from Kabarnet 132/33kV Substation- KPLC, Kenya.

14.Design, Installation and Commissioning of Additional Power Transformers at Existing Substations (Diani and Miritini 33/11kV Substations) - KPLC, Kenya.

15.Design, Supply, Installation and Commissioning of Substations and Medium Voltage Lines in Sabaki, Kaloleni, Kokotoni, Mtondia and Wundanyi- KPLC, Kenya.

16.Civil and Electromechanical Works for the 13.6MW Ngong II Wind Farm Project- Iberdrola, Spain and KenGen, Kenya.

17.Civil, Building and Electromechanical Works for the 2x45MVA, 66/11kV Thika Industrial Substation- Consolidated Power Projects (Pty) Ltd, South Africa and KPLC, Kenya.

18.Design, Supply and Construction of 33kV Lines from Hindi to Mkunubi Market in Concrete Poles- KPLC, Kenya.

19.Supply, Installation and Commissioning of 381km of ADSS Optical Fiber Cable- Lot 1- KPLC, Kenya.

20.Design, Supply and Construction of 33kV and 66kV Lines from Hindi to Mokowe and Lamu Island Respectively in Concrete Poles- KPLC, Kenya.

21.Construction of 33kV and Associated Low Voltage Networks (11kV Lines) in Selected Priority Rural Electrification Project Areas in Eastern Region- Rural Electrification Authority, Kenya.

22.Design, Supply and Installation of Distribution of Substations, Medium and Low Voltage Lines- KPLC, Kenya.

23.Design, Supply and Construction of Lanet- Naivasha 2nd 33kV Bays and Lines in Concrete Poles- KPLC, Kenya.

24.Replacement of Rotten Wooden Poles on Matasia- Magadi 66kV Line in Nairobi West Sub-Region- KPLC, Kenya.

25.Construction of 33kV Line to Proposed 33/11kV Ol Kalou Substation, West Kenya Region- KPLC, Kenya.

26.Supply, Laying and Commissioning of Overhead Fibre OpticCable- Jamii Telecommunications Limited, Kenya.

27.Provision of Fiber Optic Laying Services- Mitsuminet CableVision Limited, Kenya.

28.Design, Wayleave Services and Construction of Commercial Power Lines to Safaricom BTS Sites- Safaricom Limited

CLIENT: SAFARICOM

Project: Provision Of Fibre Rollout Services Project Scope:

Construction Of Overhead And Underground Fiber To
The Node (Fttn) Connection Of Fiber Home Customers (Ftth)

Project: Maintenance Of Mobile Networks Project Scope: Construction Of Mobile Network Support Equipment Such As Base Stations And Fiber Network

CLIENT: KENYA PORTS AUTHORITY

Project: Supply, Installation, Testing And Commissioning Of New Switchgears, Transformers And Cables For 6 No. Rail Mounted Gantry (Rmg) Cranes At Container Terminal- Kenya Ports Authority

PROJECT SCOPE:

No. Extensible Sf6 Insulated Indoor / Outdoor Type Metal-clad Switchgear
No. Extensible Gas Insulated Switchgear (GIS) 4030 Metres Of 3 x 95 Mm2 3-core Cu-xlpe-swa-pvc Cable With Optical Fibre 150 Metres Of 1 x 400 Mm2 Single Core Cu-xlpe-swa- Pvc Cable

Upgrading Of Incoming Power From 11kv To 132kv- Supply, Installation And Commissioning Of 2x15mva,
132kv/11kv Substation And Associated Equipment At The Port Of Mombasa- Kenya.

Project Scope:

- 2x15mva, 132/11kv Power Transformers Control Room And Switchyard Civil Works
- 132kv Underground Cable Trench
- Construction Of Gabions To Stabilize The Trench against Erosion.

CLIENT: KENYA ELECTRICITY GENERATING COMPANY (KENGEN)

PROJECT DONE IN PARTNERSHIP WITH IBERDROLA, SPAIN.

KenGen
Energy for the nation

IBERDROLA

PROJECT DONE IN PARTNERSHIP WITH IBERDROLA, SPAIN.

No. Extensible Sf6 Insulated Indoor / Outdoor Type Metal-clad Switchgear
No. Extensible Gas Insulated Switchgear (Gis)
4030 Metres Of 3 x 95 Mm2 3-core Cu-xlpe-swa-pvc Cable With Optical Fibre
150 Metres Of 1 x 400 Mm2 Single Core Cu-xlpe-swa- Pvc Cable

PROJECT: PROCUREMENT OF TRANSFORMER DENSIFICATION- DESIGN, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF MEDIUM VOLTAGE AND LOW VOLTAGE POLE MOUNTED TRANSFORMERS AND DISTRIBUTION LINES

Project Scope:

Supply, Installation And Commissioning Of:

33km Of 33kv And 11kv Distribution Lines 187km Of 0.240kv Distribution Lines
125 x 15kva, 11/0.240kv Distribution Transformers
92 x 25kva, 33/0.240kv Distribution Transformers

PROJECT: RE-ROUTING OF UEB 132kV DOUBLE CIRCUIT TRANSMISSION LINE AT CENTRAL RIFT AND RECONSTRUCTION OF SECTIONS OF 132kV SINGLE CIRCUIT TRANSMISSION LINES IN WEST KENYA- KPLC, KENYA.

Project Scope:

Construction Of 4.5km Of Double Circuit 132kv Transmission Line On Self-supporting Lattice Steel Towers With Overhead Opgw Shield Wires On High Twin Peaks.

Construction Of 4km Of Single Circuit 132kv Transmission Line Sections On Self-supporting Lattice Steel Towers With Overhead Opgw Shield Wires On A High Peak To Cover The Circuit Complete With Junction Boxes.


Power Gen

PROJECT: DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF ADSS FIBRE OPTIC CABLE ALONG MEDIUM AND LOW VOLTAGE LINES.

PROJECT: DESIGN, SUPPLY AND INSTALLATION OF 33KV FEEDOUTS FROM KABARNET 132/33kV SUBSTATION.

Project Scope:

Design, Supply And Installation Of:

48.39km Of 33kv Three Phase Overhead Lines From Kabarnet 132/33kv Substation
0.901km Of 33kv Underground Cable From Kabarnet

132/33kv Substation 33.3km Of Opgw Fibre Optic Cable From Kabarnet 132/33kv Substation

PROJECT: DESIGN, INSTALLATION AND COMMISSIONING OF ADDITIONAL POWER TRANSFORMERS AT EXISTING SUBSTATIONS (DIANI AND MIRITINI 33/11kV SUBSTATIONS).

Project Scope:

Design, Supply, Installation And Commissioning Of Additional 2x23mva, 33/11kv Power Transformers At Diani And Miritini Substations, Including:

- Additional Bay Equipment
- Extension Of The Control Buildings
- Scada Systems
- Control And Protection Equipment
- Substation Access Roads

PROJECT: DESIGN, INSTALLATION AND COMMISSIONING OF ADDITIONAL POWER TRANSFORMERS AT EXISTING SUBSTATIONS (DIANI AND MIRITINI 33/11kV SUBSTATIONS).

Project Scope:

Design, Supply, Installation And Commissioning Of Additional 2x23mva, 33/11kv Power Transformers At Diani And Miritini Substations, Including:

- Additional Bay Equipment
- Extension Of The Control Buildings
- Scada Systems
- Control And Protection Equipment
- Substation Access Roads

PROJECT: DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF SUBSTATIONS AND MEDIUM VOLTAGE LINES IN SABAKI, KALOLENI, KOKOTONI, MTONDIA AND WUNDANYI.

Project Scope:

Design, Supply, Construction, Testing And Commissioning Of 4 x 7.5mva, 33/11kv And 1 x 2.5mva,33/11kv Substations With Switchgear Buildings, Substation Automation System, Protection And Control

PROJECT: DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF SUBSTATIONS AND MEDIUM VOLTAGE LINES IN SABAKI, KALOLENI, KOKOTONI, MTONDIA AND WUNDANYI.

Project Scope:

Design, Supply, Construction, Testing And Commissioning Of 4 x 7.5mva, 33/11kv And 1 x 2.5mva,33/11kv Substations With Switchgear Buildings, Substation Automation System, Protection And Control.

PROJECT: DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF SUBSTATIONS AND MEDIUM VOLTAGE LINES IN SABAKI, KALOLENI, KOKOTONI, MTONDIA AND WUNDANYI.

Project Scope:

Design, Supply, Construction, Testing And Commissioning Of 4 x 7.5mva, 33/11kv And 1 x 2.5mva, 33/11kv Substations With Switchgear Buildings, Substation Automation System, Protection And Control.

PROJECT: DESIGN, SUPPLY AND CONSTRUCTION OF 33kV AND 66kV LINES FROM HINDI TO MOKOWE AND LAMU ISLAND RESPECTIVELY IN CONCRETE POLES.

Project Scope:

Design, Supply, Erection And Construction Of 66kv Transmission Line Towers On Highly Reinforced, Non- Sulphurous Concrete Foundation.

Lamu Ocean Crossing Towers With Major Terminal Towers At The Shores Of The Ocean.

PROJECT: SUPPLY, CONSTRUCTION, INSTALLATION AND COMMISSIONING OF POLE MOUNTED SUBSTATIONS, MV LINES AND ASSOCIATED LV NETWORKS, INCLUDING CONNECTION TO CONSUMER HOUSEHOLDS.

Project Scope:

Low Voltage Wiring In Buildings, Lv Boards Assembly, Low Energy Meter Installation; Installation And Integration Of Smart Metering Systems.



PROJECT: FOUNDATION REPAIR WORKS AND TOWER ERECTION FOR DAMAGED TOWERS ALONG GARSEN – LAMU 220kV TRANSMISSION LINE.

Project Scope:

Reconstruction Of Three 220kv Transmission Towers Damaged By Terrorists In Lamu County And Reconductoring, Together With OPGW.



CONSTRUCTION OF ROAD NETWORKS

MANUFACTURER'S REPRESENTATIVE:

NOJA POWER®
Empower the world.








PowerGen Technologies Limited is the official Local Distributor for Noja Power Switchgear (Pty) Limited, for the Supply of 11kV and 33kV Autoreclosers.

AMONG OTHER TOOLS AND EQUIPMENT, POWERGEN TECHNOLOGIES OWNS THE FOLLOWING POWER LINE AND SUBSTATION CONSTRUCTION TOOLS AND EQUIPMENT:

- Batching Plants
- Backhoe Loader And Excavator
- Lorry With Hiab Crane- 10 Ton
- 40 Foot Trailer For Transportation Of Poles And Bulk Equipment And Materials
- Pickup Trucks
- Lorries / Trucks
- Tipper Lorry
- Puller And Tensioner
- Splicing Machines
- High Voltage Proximity Detector
- Optical Time Domain Reflectometer
- Fibre Glass And Wooden Ladders
- Pulley Blocks
- Cable Rollers
- Winches
- Pull Lifts
- Pole Climbing Irons
- Micro-tunneling Equipment
- Tripods

Fiber Optic Cable Installation Equipment Such As

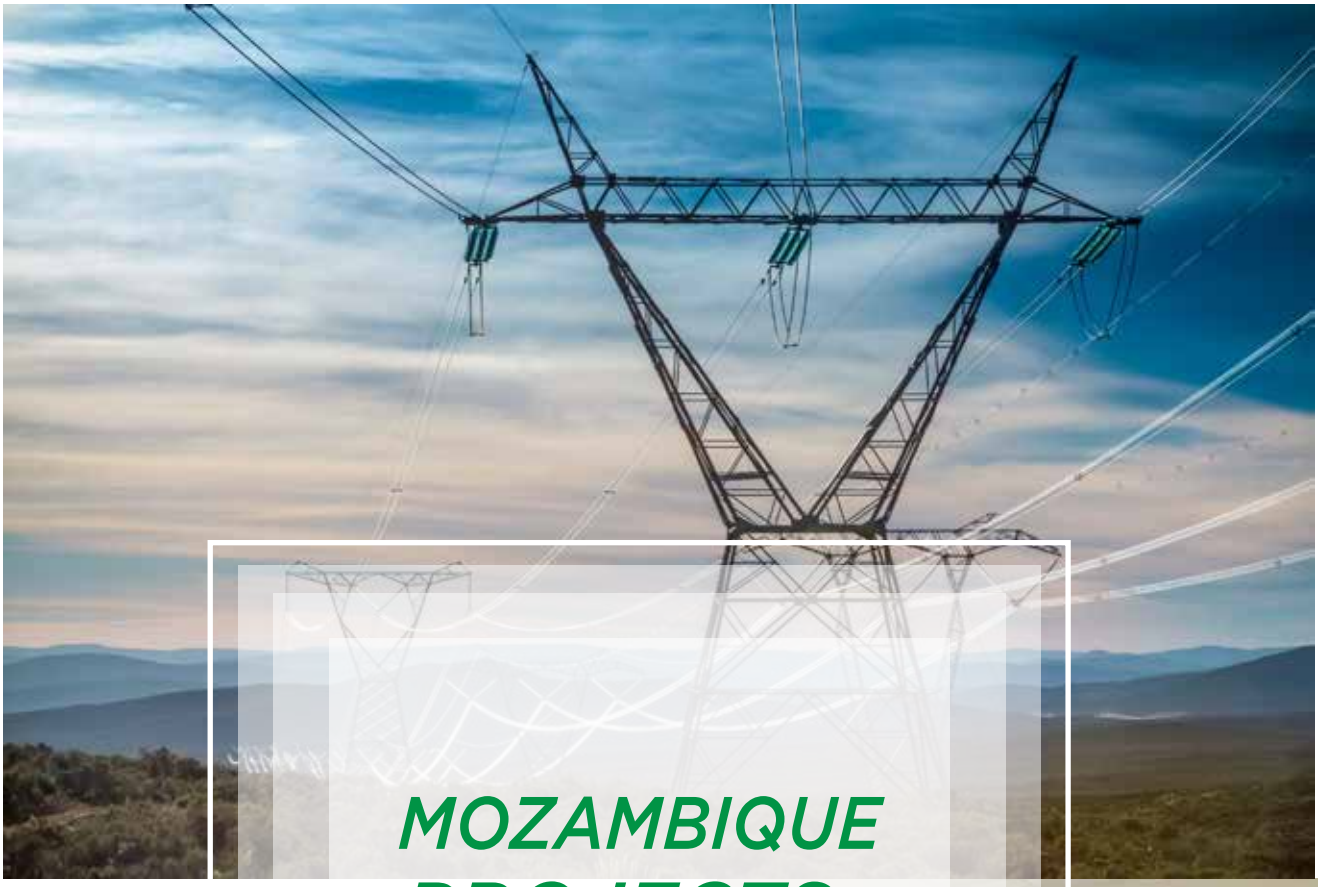
- Splicing Machine
- Termination Tool Kits
- Optical Time Domain Reflectometer (Otdr)
- Optical Light Source And Power Meters
- Visual Fault Locator
- Labeling Machine
- String Block Rollers
- Personal Protective Equipment

CORPORATE SOCIAL RESPONSIBILITY

We At Powergen Technologies Limited Care For The People We Interact And Live With, And Have Established A Strong Csr Programme Through Which We Support The Less Fortunate Members Of The Society.

This Takes Many Forms Including Supporting Projects, Participating In Activities Whose Proceeds Support The Needy; And Many More.

We Also Support Bright But Needy Students By Keeping Them In School.



MOZAMBIQUE PROJECTS











Querimanie- Zambezia province construction of 33kv lines and installation of transformers and ABC LV networks

Areas

- Manica province,
- Tete Province
- Quelimane province

Clients


Kenya Power
KENYA PORTS AUTHORITY
KenGen
Energy for the nation
Safaricom
JTL
Jamii Telecom
Your Trusted Business Partner
REREC
KETRACO
Kenya Electricity Transmission Company Limited
zuku
KPC
ELECTRICIDADE
DE MOÇAMBIQUE, E.P.
IBERDROLA
ELECTRICITY SUPPLY CORPORATION OF MALAWI LTD
ESCOM

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