



**KEMSI**  
ENGINEERING



[www.kemsi-africa.com](http://www.kemsi-africa.com)



## Energy, Industrial & Construction solutions for a sustainable future

At Kemsi we design, develop, implement and manage energy, construction and industrial solution projects with the highest level of professionalism.

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## Certificates:



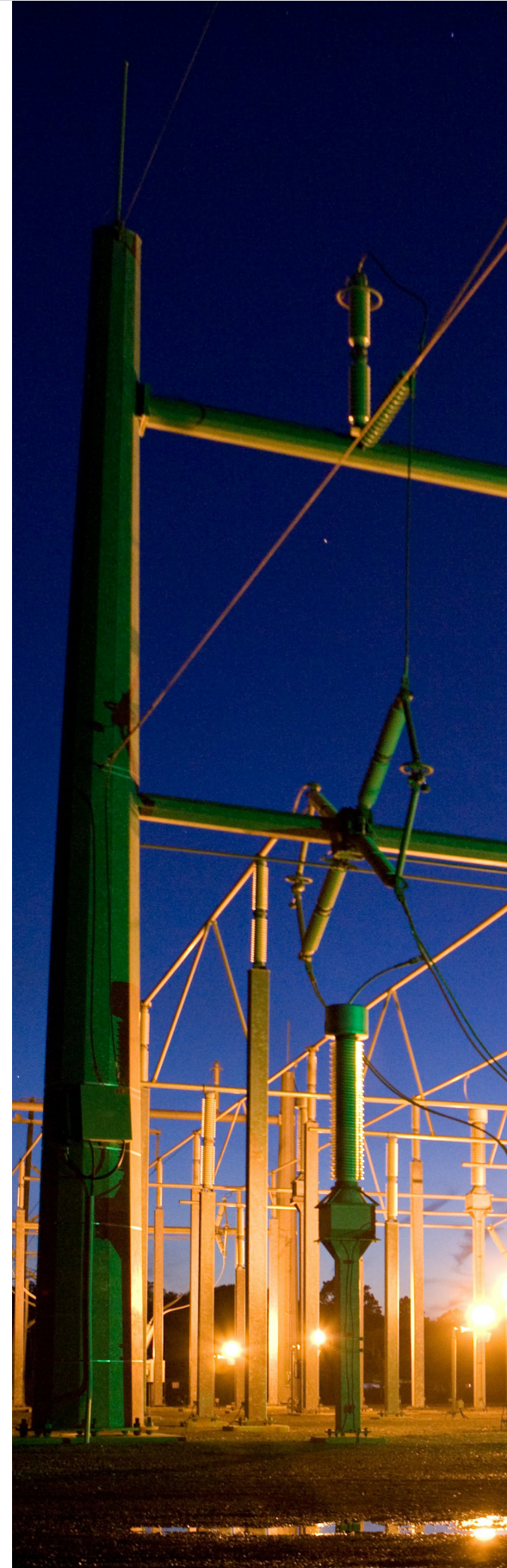
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# ABOUT US

Kemsi Engineering Limited offers full range of services for the development, design and construction of energy efficiency and industrial projects.

Our products and services are rooted in engineering and driven by innovation, passion, and world experience. Kemsi Engineering has experienced working across several African countries and gained over multi-sector industries and has provided the expertise to effectively deliver practical solutions across industry.

We offer our clients reliable opportunities to resolve their energy construction and industrial challenges through various innovative solutions and strategies that ensure sustainable outcomes. We also offer industrial and technology solutions for the future in line with industry 4.0





## OUR VISION

To be the preferred provider of value-driven energy engineering solutions to clients

## OUR MISSION

We provide innovative and targeted solutions to ensure on-time delivery, quality results and cost-effective projects construction

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# KEMSI ENGINEERING MODEL

KEMSI Engineering works through the **ESCO** model that is fashioned around the principles of maximizing operational efficiency, reducing energy cost and enhancing sustainability of energy solutions. Also providing innovative and alternative technology solutions in construction and industries. Our highly skilled team, with versed experince, knowledge and expertise enables us to support our customers with professionalism and quality.





# WHAT WE DO

In line with our vision to be the authoritative center of excellence for energy, industrial and construction solutions in Africa. KEMSI Engineering has a wide range of robust solutions across the industry.

## A. Energy Services

We offer high standards energy audits that meet the legal and regulatory requirements, providing clients with practical solutions to bridge their energy gaps.

### (1) Energy management systems

Through the Eagles Subscription Programme, clients can monitor, measure and verify their energy consumption real-time as well as validate their energy saving initiatives for accountability purposes.

### (2) Implementation Energy Audit Report

We offer measurement and verification after the energy audit projects are implemented to verify the actual savings from implementing energy audits.

### (3) Feasibility Studies

We do offer feasibility service on energy projects like solar PV, solar hot water, power quality, steam systems, cogenerations and energy monitoring

The need to reduce energy costs is a crucial business practice for successful organizations, and energy audits have begun to play a more significant role in managing energy expenses. Energy audits can encompass a variety of surveying techniques but most commonly consist of an analysis of energy usage within a facility.

## B. Energy Project



### Lighting Solutions

We provide end-to-end services including lighting audits, lighting project management, provision of lighting fixtures and training.



### Power Quality

The suite of power quality services provided which include voltage optimization, power factor correction, load balancing and high level harmonic reduction.



### Solar Energy Solutions

KEMSI Engineering promotes clean energy initiatives by providing design, installation and maintenance of solar photovoltaic and solar thermal solutions.



### Steam Solutions

Based on analysis of the process heat system performance to identify potential energy savings, KEMSI Engineering provides sound recommendation for heat recovery, combustion efficiency, blow down optimization, fuel change, insulation and steam trap testing.



### Plant maintenance

Maintenance of **VRMS** vertical roller mills, Val mills, Bulk material conveyers systems like belt conveyors and pan conveyors, service of gantry cranes, service of blowers and compressors.





## C. Training

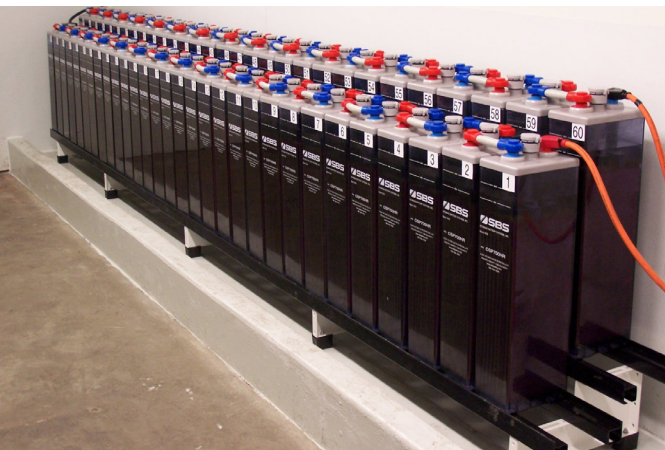
- Certified energy management
- Energy efficiency and management
- Energy Measurements and verifications
- Energy Auditing
- Energy Awareness and Behaviour change
- Renewable Energy Solutions Training
- Lighting Solutions Training
- Power Quality Training

## D. Energy Monitoring Equipment

We provide energy monitoring equipment that is reliable, accessible and affordable both for

1. Electricity Monitoring Equipment
2. Light Levels Sensors
3. Water monitors
4. Gas monitoring
5. Temperature and Occupancy Sensors
6. Fuel Monitoring
7. Energy Auditing Tools

## E. Renewable Energy Power



## F. CHP Projects - Combined Heat and power

Waste to energy solutions for environmental sustainability

### 2. INDUSTRIAL SOLUTIONS

- Vessels, valves and piping installation projects
- Industrial Utility & Instrumentation projects
- Industry 4.0- IoT Internet of things for technology innovation



## OUR TEAM

We are a team of certified, Licensed and qualified professionals with the relevant skills, knowledge, exposure and extensive experience in the energy and industrial field. We are dedicated to assisting organizations optimize their efficiency through simple, easy, cost effective and sustainable solutions



## OUR PARTNERS



**RAD Global  
Technology**



**KW  
Consulting**



**ECONET  
ENERGY**



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