

Mission

To be the leading solutions provider and preferred partner, charting the course for a world where the highest quality of life is accessible to all.

Vision

To drive impact via cross-industry solutions, designed to improve quality of life and elevate society.



1 Sales

Beyond mere equipment, we offer strategic partnerships. Our seasoned engineers conduct in-depth site assessments, analyzing fuel sources, load requirements, and environmental factors.

We don't just sell solutions, we tailor them to your unique needs, crafting custom gas-powered setups or recommending pre-engineered configurations for swift implementation. Whether you're an industrial giant or a nascent entrepreneur, we have the perfect gas solution to ignite your operational efficiency.



2 Installation

Precision meets progress. Our certified engineers boast a wealth of experience and unwavering commitment to safety. Equipped with state-of-the-art tools and adhering to rigorous industry standards, they meticulously integrate your gas system with minimal disruption to your workflow. We ensure seamless installation, guaranteeing a swift transition to gas-powered productivity.



3 Commissioning

Fine-tuning for flawless performance. Our commissioning process is an orchestra of expertise, where trained engineers meticulously calibrate your gas system for optimal fuel utilization and peak efficiency. We conduct rigorous performance tests, ensuring smooth operation and longterm reliability. With Gas Solutions, every kilowatt is utilized, not wasted.



4 Aftersales

Peace of mind comes standard. Your operational continuity is our paramount concern. We offer comprehensive aftersales support, including proactive preventive maintenance programs to avoid hiccups. Our dedicated

team is on call 24/7 for emergency response, and we maintain a readily available stock of spare parts for immediate resolution of any unforeseen issues.

With Gas Solutions, you can rest assured knowing you have a reliable partner by your side, every step of the way.

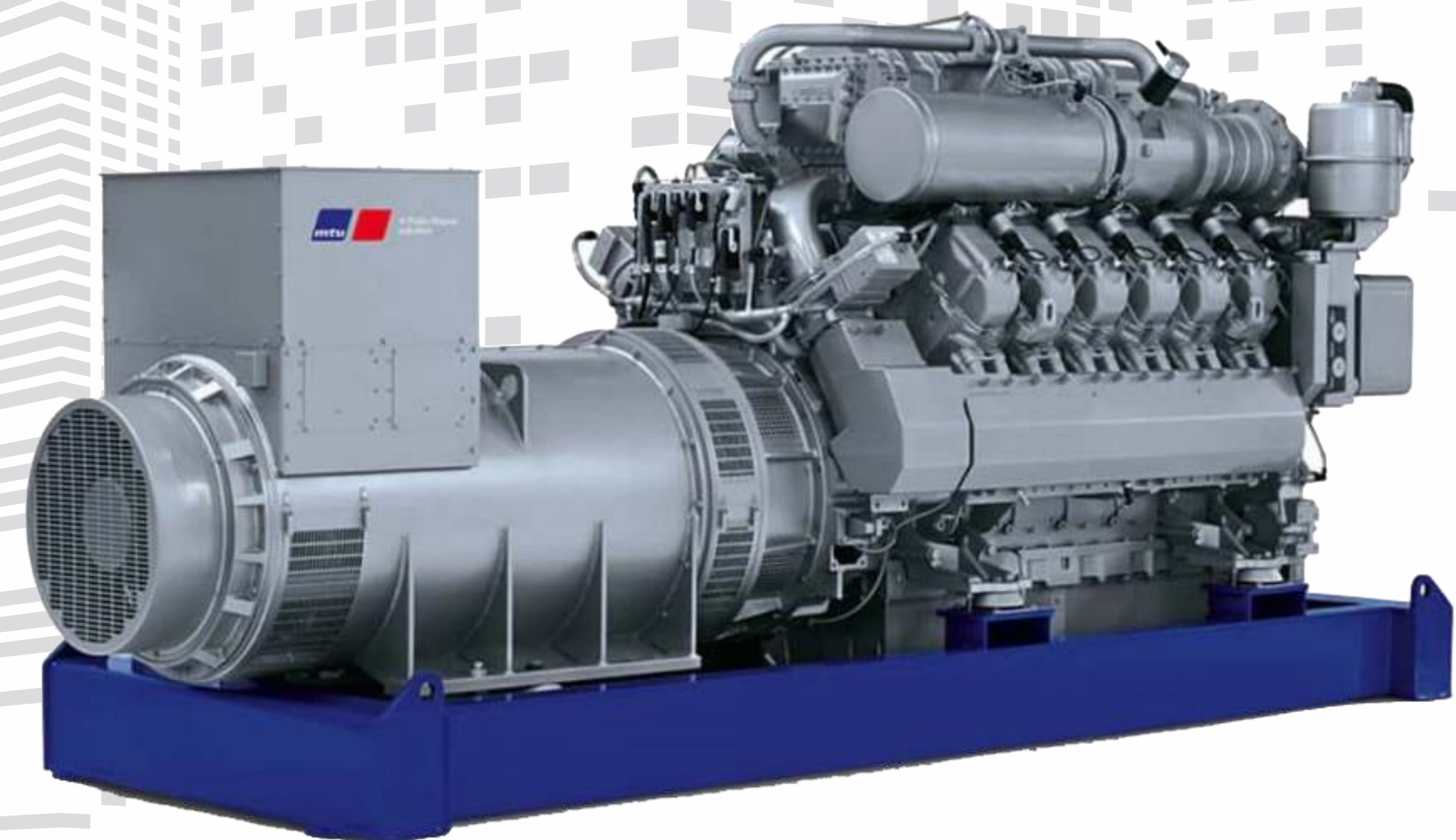


Advantages of Gas Power Solutions over Diesel Power Solutions

Natural gas generators are systems designed for power generation that use natural gas as their main fuel to generate electricity. These generators work in a manner similar to traditional generators but convert the chemical energy in natural gas into electrical energy instead of using gasoline or diesel.

Choosing natural gas generators over diesel-powered ones offers numerous benefits, making them an environmentally friendly and economical option for a wide range of uses. The significant benefits of switching to natural gas generators include:

- ▶ **Cost savings and higher fuel efficiency**
- ▶ **Reduced greenhouse gas emissions and smaller carbon footprint**
- ▶ **The ability to scale and adapt easily**
- ▶ **A dependable and versatile source of energy**
- ▶ **Compatibility with renewable energy sources**
- ▶ **Lower operational costs**
- ▶ **Quieter operation.**



Comparative analysis on cost savings

Diesel Solution

CBN Rate NGN/USD	1500
Cost of Diesel Genset 1MW	\$ 480,000.00
Cost of Diesel Genset 1MW NGN	NGN 720,000,000.00
Cost of Maintenance per hour	\$ 15.00
Diesel Cost per Liter	NGN 1,000.00
Genset Rated Power KW	1000
Load Factor	0.75
Daily Running Hours	4
Fuel Consumption Ratio L Whr	0.27
Daily Fuel Consumption	810
Monthly Fuel Consumption	24300
Annual Fuel Consumption	295650
Annual Fuel Cost	NGN 295,650,000.00
Annual Maintenance Cost	NGN 32,850,000.00
Annual OPEX	NGN 328,500,000.00

VS

Compressed Natural Gas

CBN Rate NGN/USD	1500
Cost of Gas Genet 1MW	\$ 865,000.00
Cost of Gas Genet 1MW NGN	NGN 1,297,500,000.00
Cost of Maintenance per hour	\$ 10.00
CNG Cost per SCM	NGN 540.00
Genset Rated Power	1000
Load Factor	0.75
Daily Running Hours	24
Fuel Consumption Ratio SCM Whr	0.27
Daily Fuel Consumption SCM	4860
Monthly Fuel Consumption SCM	145800
Annual Fuel Consumption SCM	1773900
Annual Fuel Cost	NGN 957,906,000.00
Annual Maintenance Cost	NGN 131,400,000.00
Annual OPEX	NGN 1,089,306,000.00

Annual Saving Natural
GAS VS (NEPA + Diesel)
NGN 471,069,000.00

Investment on
Top of Diesel Genset
NGN 577,500,000.00

Annual Saving %
Natural GAS
VS (NEPA+Diesel)
30.2%

ROI #Days
447

ROI #Months
14.9

ROI #Years
1.2

MTU gas-powered generator sets provide you with continuous, economical, reliable, and future-ready power.

Utilizing natural gas, biogas or other gases, MTU generator sets feature cutting-edge technology for combined heat and power (CHP), as well as combined heat, power and cooling (CHPC) solutions.

All of our gas gensets feature high efficiency and low emissions in the 776 kWe - 2,547 kWe electrical power range. In addition, our Series 4000 gas gensets also offer hydrogen blending, for even more ecofriendly operations..



Eko Atlantic Substation 3

Power Capacity: **10MW**
Location: **Eko,
Lagos State**

