



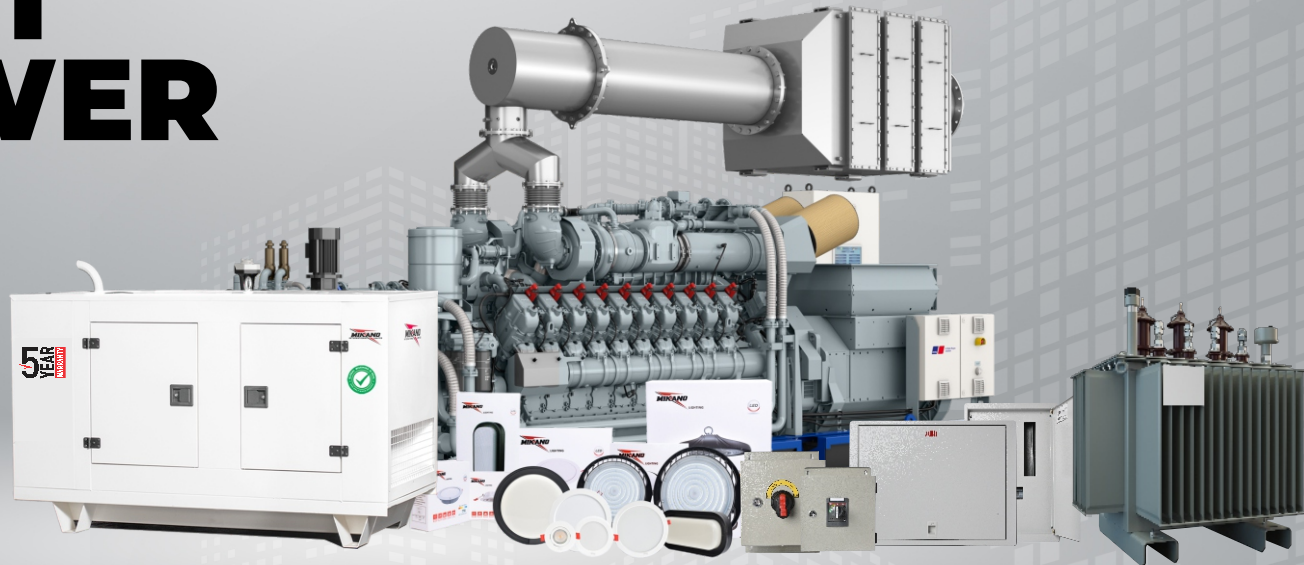
MIKANO
POWER

POWER GENERATION BROCHURE



www.mikano.com

THE ART OF POWER



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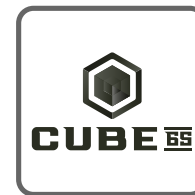
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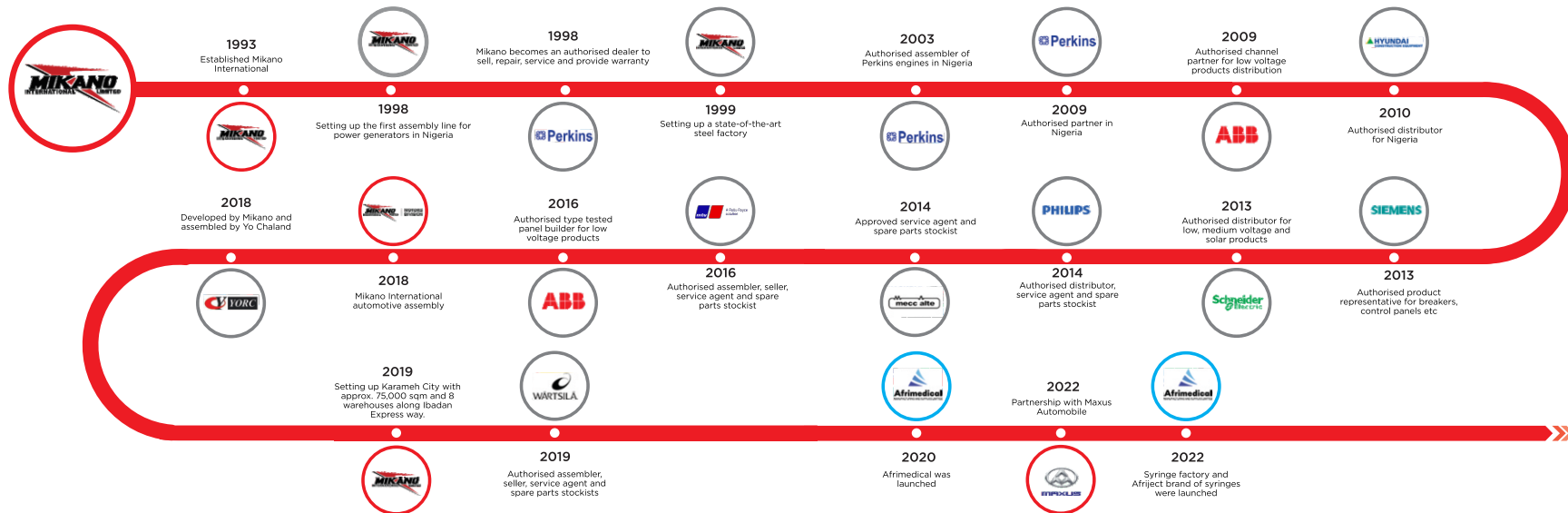


Mikano International Overview

Incorporated in 1993, Mikano International Group is a one-stop destination for all household, commercial and industrial solutions proudly made or assembled in Nigeria. With an extensive portfolio spanning five key divisions; Mikano Power, Mikano Motors, Afrimedical, Mikano Construction Limited, and Cube 65, Mikano Group continues to deliver excellence across power solutions, automotive services, healthcare, construction, and lifestyle innovation.



The journey so far



Our growth

Karameh Industrial City

Over the years, Mikano has continually expanded operations in Nigeria, with a commitment to setting and achieving world class standards. Driven by a passion to provide good quality living at an affordable cost to all Nigerians, Mikano built its ultra-modern factory complex dubbed; ***The Karameh Industrial City.***

Karameh City is an 8-unit, large-sized factory with an approximate area of 75,000 sqm. Each unit is fully equipped with the latest technology. extensive parking spaces for passenger and heavy-duty vehicles, CCTV setup and 24/7 power supply. It boasts an excellent working environment that is second to none within the region.

This ultra-modern industrial city is currently home to the Mikano Power generator assembly, Mikano Motors, and the Medical factory.



Mikano Power Overview

Mikano Power division comprises of 3 sub-divisions.

These are:

1. Power Generation
2. Steel Fabrication
3. Electrical and Lighting Solutions

POWER DIVISION



POWER GENERATION

The largest assembler of power generating sets in Africa, with a state-of-the-art workshop for maintenance services

Sells MTU, Perkins and Yorc brands of diesel and gas generators ranging from 9kVA TO 5000 kVA.

Runs large scale IPP projects in partnership with MTU.

Rental Solutions offers customised, client-focused services tailored to meet specific operational and business needs

STEEL FABRICATION

One of the largest steel fabrication factories in Africa.

Equipped with state-of-the-art machinery to achieve the best results.

Currently employs over 400 dedicated staff of engineers and designers to ensure premium quality delivery

ELECTRICAL AND LIGHTING

A major hub for one of the world's largest lighting brands; Signify (Phillips Lighting)

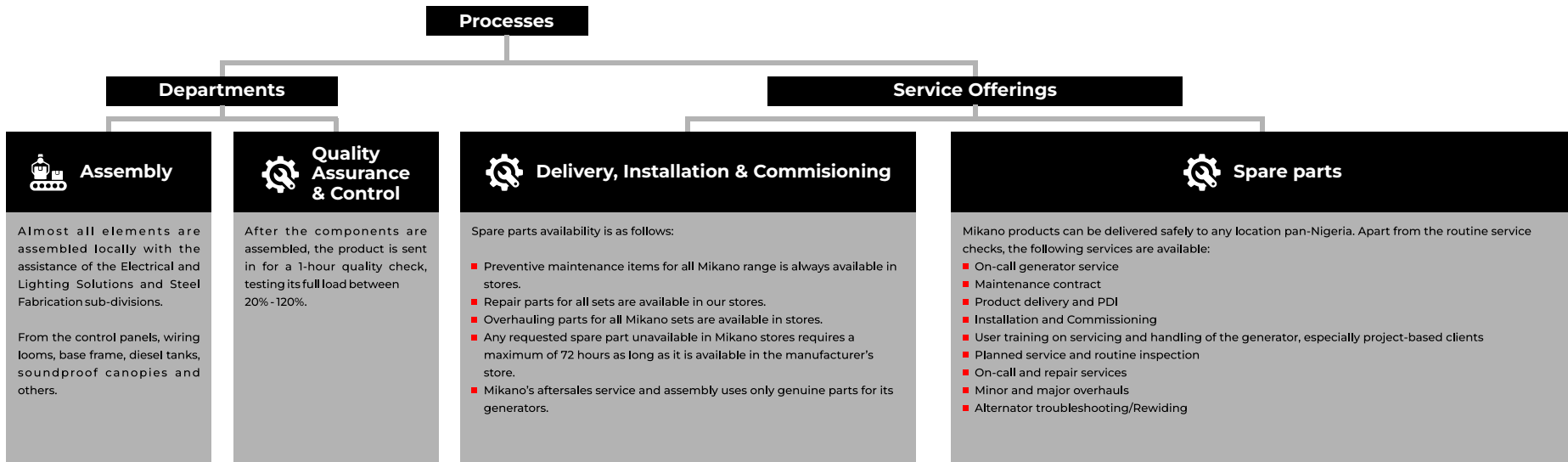
Developed our own lighting brand; Mikano Lighting

Partners with ABB, Schneider Electric and Raychem, to sell their low-voltage (LV) and medium-voltage (MV) products.

Developed our own brand; Mikano Electric

Manufactures and maintains type-tested Electrical Panels using prestigious brands in the electrical sector (ABB and Schneider Electric).

Power Generation



Portfolio Offerings

Generator sales

Mikano International Limited pioneered the generator assembly business in Nigeria. It currently owns the largest generator assembly plant in Wes Africa and is trusted and recognised as a leader in the power solutions sector. Mikano sells **Perkins**, **YORC** and **MTU** brands of diesel/gas generators that are ranked amongst the best in each category of play.

Product Category:

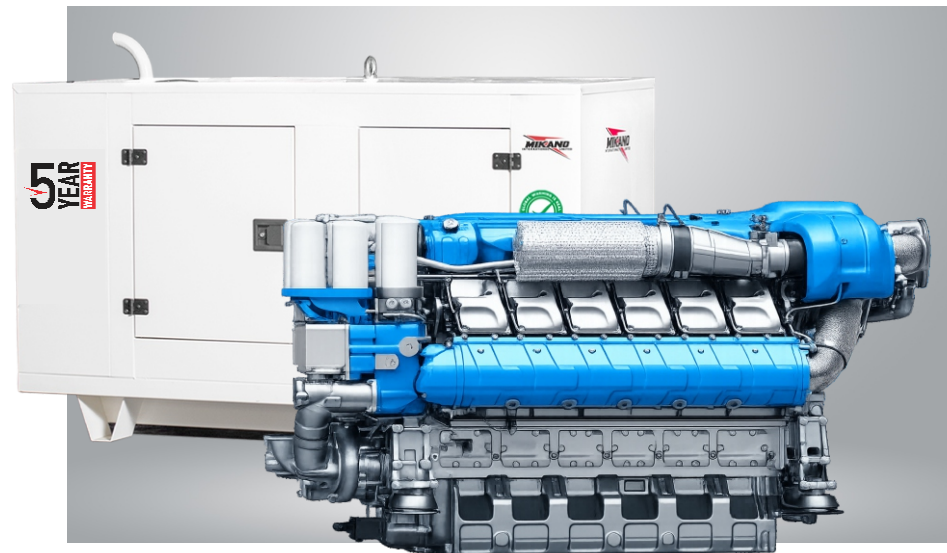
1. Diesel Fuelled Power Generators

Mikano diesel generators are especially known to emit lower Co2 emissions during its service life and are available for home and industries in the following capacities:

MTU Diesel - 800kVA – 4000kVA

YORC - 15kVA – 6500kVA

Perkins - 9kVA - 2250kVA



Portfolio Offerings

Generator sales

2. Gas Fuelled Power Generators

Mikano RR MTU and partners supply, install and maintain Natural/LP Gas gen-sets (basic and soundproof), using a team of skilled and experienced employees, trained to the highest standards on gas powered generating sets with access to a fully equipped workshop, offering round the clock service support.

Advantages of gas generators include low operation and maintenance costs, up to 70% cost-saving potential, high product integrity and durability. Designed for continuous operation. it has a life ratio of 3:1, and its quiet combustion process reduces operating noise.

Mikano sells and maintains MTU and Baudouin brands of gas generators, ranging from lower capacities up to 3000kVA.



Portfolio Offerings

Generator sales



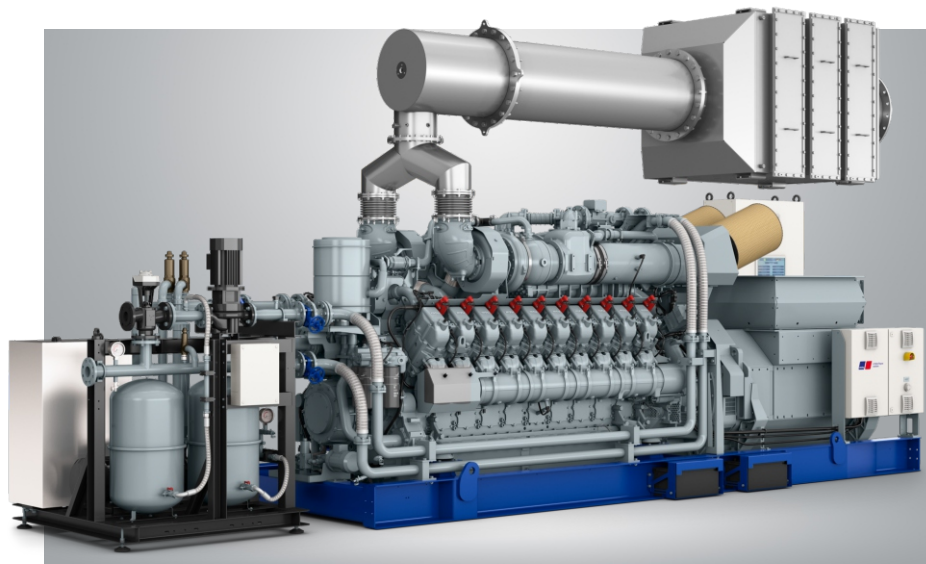
A Rolls-Royce
solution

Mikano partners with renowned German power generator company, **Rolls-Royce MTU Solution** to deliver reliable diesel and gas power generators in higher engine capacities from 500kVA -4000kVA.

MTU gas generators ensure sustainable and affordable power supply that is:

- Long lasting
- Less polluting
- Cost-efficient

The MTU gas generator has been proven to operate at a 70% cost advantage over diesel generators.



Portfolio Offerings

Generator sales

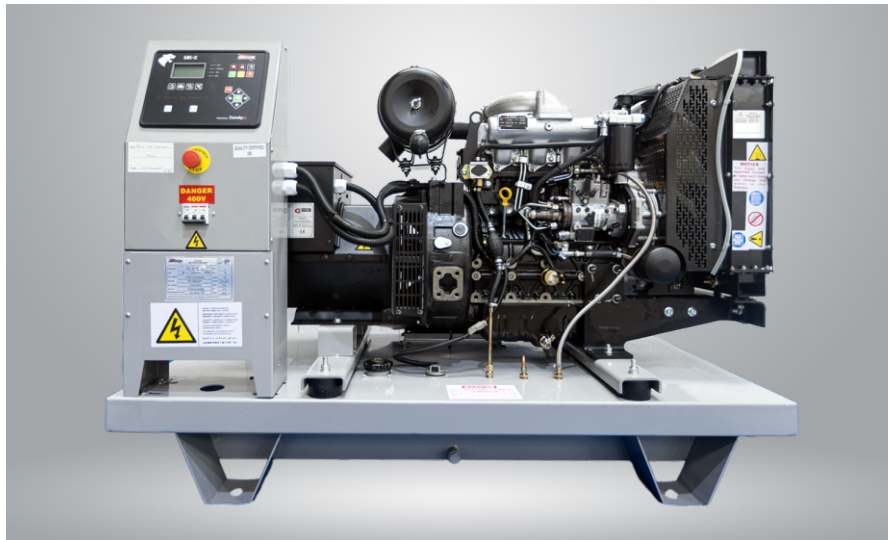


GENERATORS

The YORC engine was developed through extensive research and development in collaboration with an international research firm in the United Kingdom, ensuring compliance with global quality and performance standards. These engines can withstand harsh environmental conditions and low-grade diesel quality.

YORC Diesel generator sets have been proven to demonstrate up to 10% fuel efficiency when compared with other recognised brands, and are excellent sources of electrical power for residential, commercial and industrial use.

They can operate with a higher level of flexibility, autonomously and in parallel with other similar sets. YORC diesel generator power capacities range from 15kVA to 6500kVA. They have a warranty of 5 years.



Portfolio Offerings

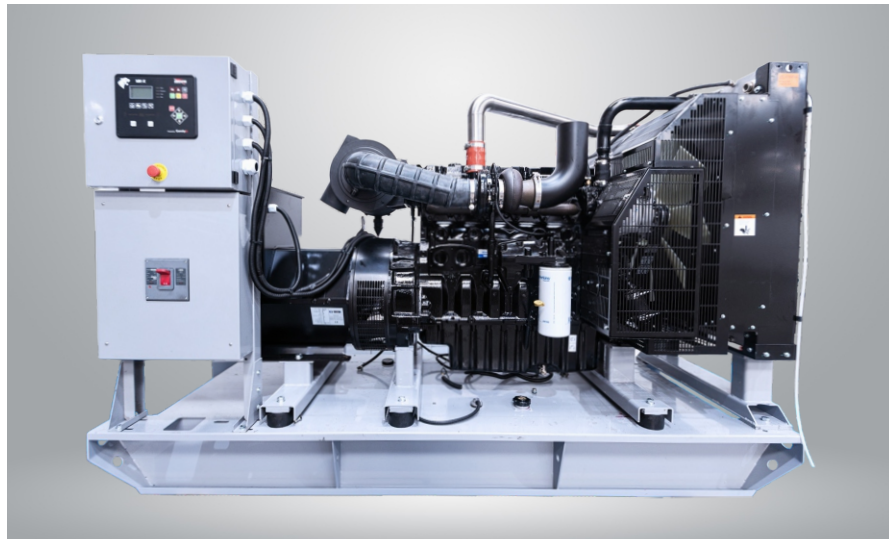
Generator sales



As part of its suite of power generating solutions, Mikano sells and maintains original UK Perkins diesel and gas power generating set ranging from 9kVA to 2250kVA. Perkins generating sets are engineered for high reliability, durability, and long life.

Perkins gas engines are versatile and operate quietly and cleanly on LPG and CNG. They inherit the reliability and durability of Perkins diesel technology while providing low exhaust emissions and low-cost power and heat.

Perkins diesel engines are known for their durability, reliability, and global support. They are used in a wide range of applications including industrial, agricultural, construction, and power generation.



Portfolio Offerings

IPP Solutions

In partnership with RR MTU, Mikano installs, commissions and operates large-scale Industrial Power Projects (IPP) across the country, delivering uninterrupted power supply to its respective clients. Mikano has the potential to supply any power capacity required for any level of business operation and operates as a diversified power generation body.

It owns and operates power plants to generate and sell power to consumers such as utilities, industrial users, and other intermediaries at a Per Kilowatts costing. This allows for constant power availability at a very efficient rating while allowing payment as it is used. This service is available for both gas and diesel generating sets.

Mikano also owns and operates utilities to generate purchase, distribute, transmit and sell electricity to end-users in the residential, commercial, industrial, and governmental sectors.



Portfolio Offerings

Compressed natural gas

Mikano can handle Turnkey IPP and CPP solutions such as:

**Single/combined
cycle IPP or
captive complex**

Flexi cycle power

**Medium / large bore
medium speed - single /
dual fuel engine along
with waste heat recovery
system, and steam
turbines**

**Mikano international can
provide technology from
MTU Onsite Energy and
major OEMs.**

Portfolio Offerings

Gas mega projects above 5MW

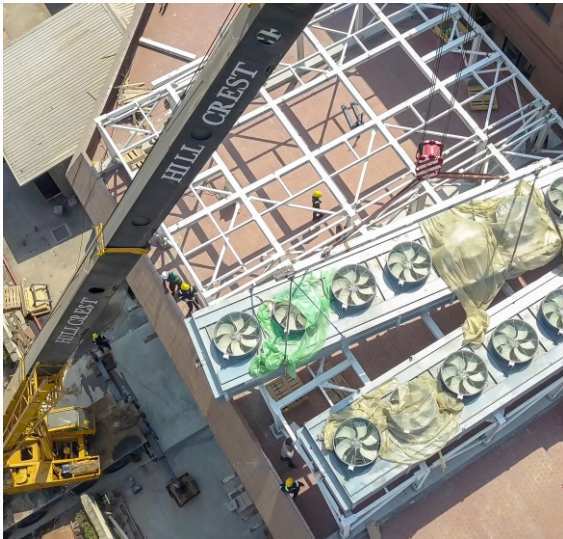


GAS POWER SOLUTION: FIRS, ABUJA - 6MW



Portfolio Offerings

Gas mega projects above 5MW



GAS POWER SOLUTION: NNPC, ABUJA - 17.6MW



Portfolio Offerings

Gas mega projects above 5MW

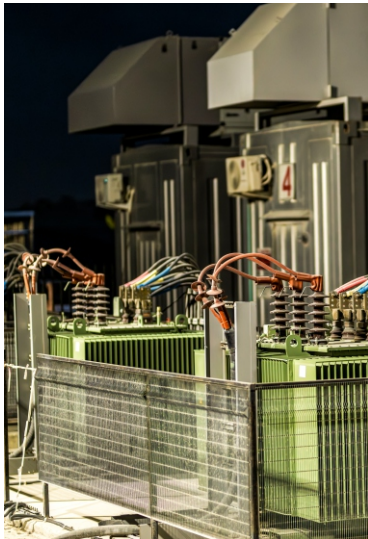


GAS POWER SOLUTION: SUMAL FOODS, IBADAN - 7.5MW



Portfolio Offerings

Gas mega projects above 10MW



GAS POWER SOLUTION: EKO ATLANTIC, LAGOS - 6MW



Portfolio Offerings

Rental solutions

Mikano's rental solutions offers custom tailored solutions to our clients on and off location. Our expertise begins at delivery, through installation and maintenance all through the rental period.

Rental workshops offer both gas and diesel power generators for hire to suit all types of purposes (residential, commercial or industrial).

Rental workshops are located across the nation with 30 additional fully equipped mobile workshop units fitted with radio communication systems to maintain links with home base.

Gas and diesel generator sets are available for hire to suit all types of demand.



Portfolio Offerings

Operations and aftersales

Mikano owns a fully equipped physical workshop and several mobile workshops that provide excellent aftersales service and 24-hour customer support. Combined with a large fleet of over 220 vehicles, 400 workshop staff and equipped with the latest tools in diagnostic technology, Mikano products can be delivered safely and serviced anytime, anywhere, and in any condition.

We offer a bouquet of aftersales services to create a memorable experience for our customers, cover the following:

1. Delivery, Installation and Commissioning

- Product delivery and DPI
- Warranty cover for the first 2000 hours or 24 months from the date of purchase.
- The warranty doesn't cover any misuse or abuse to the generator
- Installation services
- Commissioning services



Portfolio Offerings

Operations and aftersales

- User training on servicing and handling of the generator, especially project based clients
- Maintenance contract
- On-call and repair services
- Overhauling and rewinding

2. Routine service checks

3. Planned services

- Single service contract
- Bundle service contract
- Maintenance contract and repair services
- On-call and repair services
- Overhauling and rewinding



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