

**Clarke
Energy**®

A KOHLER COMPANY

Engineer - Install - Maintain

Distributed Power Plant Solutions for Nigeria



Global Reach, Local Focus

Clarke Energy was established in 1989 as a specialist service company operating in the marine and offshore industries. In 1995 on the back of our unrivalled service support, Clarke Energy was awarded the sole distributorship for the Jenbacher range of engines in the UK.

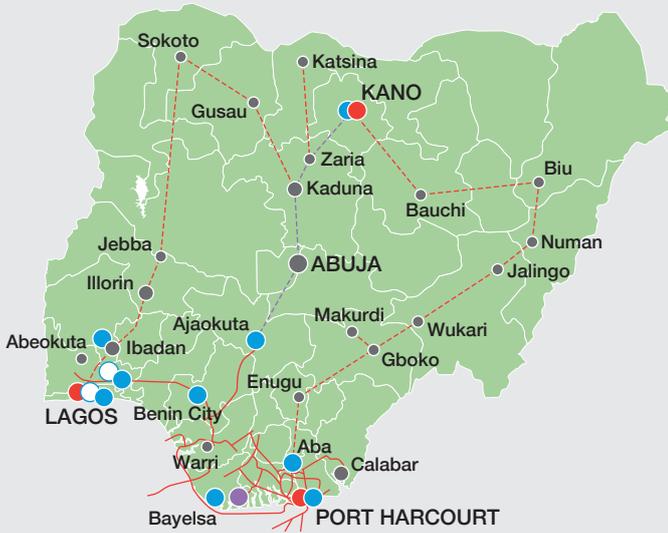
That relationship has continued to grow, and resulted in becoming the largest independent distributor of INNIO's Jenbacher and Waukesha product lines, with an installed electrical capacity of over 7GW and over 1,200 employees collaborating in 27 countries.

A Kohler Company

In 2017, Kohler Co. acquired Clarke Energy Ltd to expand its Power Group product portfolio to include large gas generators. Prime and continuous gaseous solutions complement Kohler's existing diesel generator offering for standby applications. The Kohler Co. operates in 130 countries worldwide with a workforce of over 36,000 employees.



Clarke Energy in Nigeria



- Clarke Energy Sales & Service Office
- Natural Gas Fuelled Captive Power Installation Coverage
- Natural Gas Fuelled IPP Installation Coverage
- Associated Petroleum Gas (Flare Gas) Power Plant
- Planned Gas Transmission / Distribution Line
- Existing Gas Transmission / Distribution Line
- Gas Transmission / Distribution Line Currently Under Construction

In 1999, Clarke Energy Nigeria began its operations, increasing its installation base of engines to become the fastest growing power generation distributor in Nigeria. Its headquarters is located in Ikeja, Lagos and has a branch office in Port Harcourt, Rivers State.

Our capabilities range from the supply of a gas or diesel-fuelled power generation engine, through to the turnkey installation of a multi-engine power plant. We provide an unparalleled service and maintenance support with a large inventory of OEM approved spare parts.

Original Equipment Manufacturer (OEM)

In 2019, Clarke Energy opened an assembly plant in Lagos for Kohler SDMO diesel generator sets in order to improve the costs and availability in Nigeria. The assembled gensets are distributed to a network of dealership with special focus on after-sales support to the customers.



1989

Clarke Energy UK was established

1999

Granted Jenbacher Distributorship

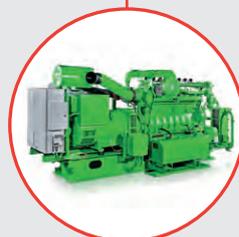
2005

Office opened in Lagos

89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 | 02 | 03 | 04 | 05

2002

First Installation in Nigeria



Our Philosophy



Engineer

Clarke Energy has comprehensive resources to support the engineering of your gas generation project. These capabilities include computer aided design, mechanical and electrical engineering.



Install

Clarke Energy has dedicated teams to support you in delivering quality through the project management, installation and commissioning of your gas generation project.



Maintain

Clarke Energy values the provision of reliable maintenance services for your gas generation equipment. This is delivered efficiently through its extensive network of service engineers.



2007

First CHP Installation (Guinness Ogba)

First Commissioning (Flour Mills of Nigeria)

2010

First IPP Installation (Oando)

50th engine installed in Nigeria

2013

200th MW sold

First Flare Gas Sold (Shell)

2017

Kohler acquires Clarke Energy

First Hybrid (OK Plast)

2021

Office opened in Kano

2008

Second Commissioning (Guinness Benin)

2012

Office opened in Port Harcourt

2019

KOHLER-SDMO Assembly Plant Opens in Lagos

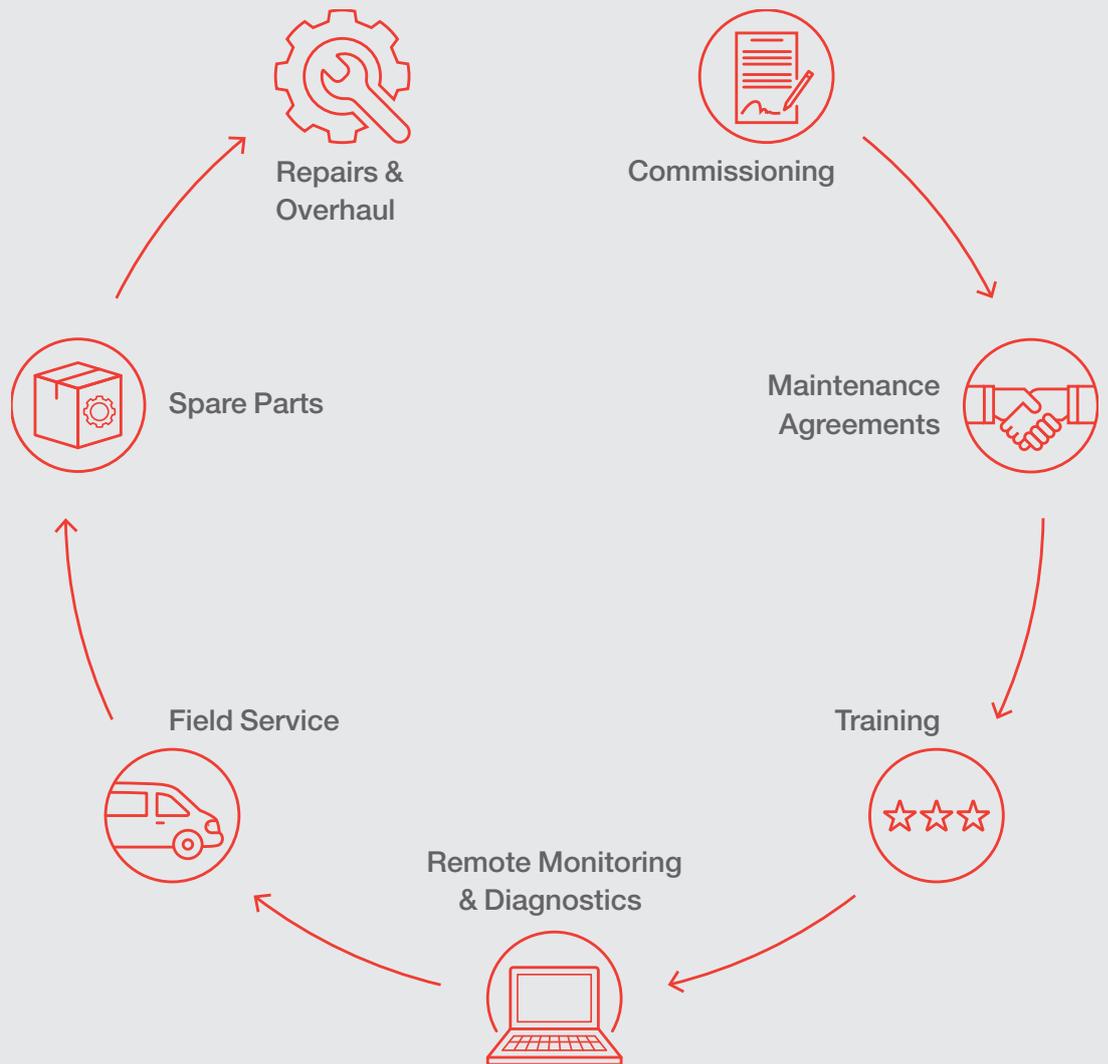
06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21



End-to-End Service

Clarke Energy's ethos is ensuring the highest levels of equipment availability this should translate to maximised return on investment for our customer assets.

We achieve this by having localised service teams in each country we operate and local stores of genuine original equipment manufacturer (OEM) approved parts. Our teams are trained to the highest standards and we offer training programmes for our customers and staff. Explore the service lifecycle of an engine from the options below.



INNIO Jenbacher 0.3MW – 10MW

Reciprocating gas engines with fuel flexibility

With hundreds of engines installed in Nigeria, Clarke Energy is now the leading distributed power generation provider, installing Jenbacher reciprocating gas generating sets from 0.3MW to 10.0MW electrical output.

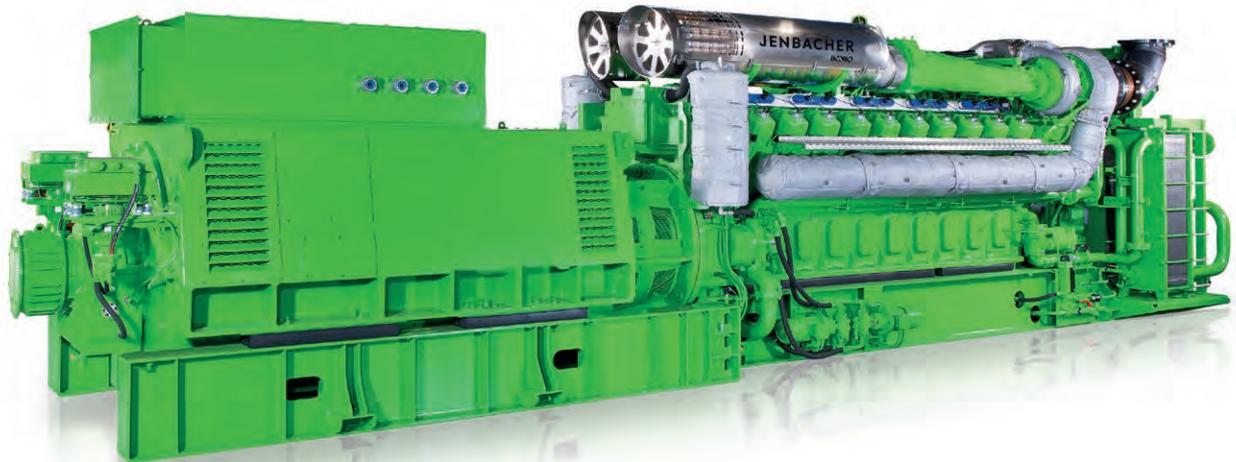
The fundamental design of the Jenbacher engines for operation on gas provides numerous benefits. These include increased operational efficiency, greater reliability, reduced maintenance costs and enhanced capability to operate on gases with lower calorific value.

This focus on gaseous fuels leads to the highest levels of generator efficiency and reliability on the market. The engine has been developed into variants which are suitable for a wide range of different applications including natural gas, biogas, coal seam gases and associated petroleum gas.

Over five decades of experience in the gas engine business has resulted in thousands of Jenbacher engines being installed worldwide. For any application, INNIO's Jenbacher product lines offer a reliable, high efficiency solution.

Applications

- + Independent Power Producers
- + Industrial and manufacturing
- + Food and beverage
- + Textiles
- + Glass
- + Steel
- + Commercial
- + Hospitals and Universities
- + Agrochemicals
- + Pharmaceuticals
- + Oil and Gas



Engine	J208	J312	J316	J320	J412	J416	J420	J612	J616	J620	J624	J920
Electrical Output (kWe)	330	635	851	1067	901	1202	1500	2007	2676	3360	4404	10400
Electrical Efficiency (%)	38.8	40.8	40.7	40.2	42.0	42.2	42.1	44.3	44.4	44.6	45.4	48.7
Thermal Output (kWth)	371	739	991	1275	994	1320	1657	2060	2748	3435	4408	9620+
Thermal Efficiency (%)	43.6	47.4	47.3	48.1	46.3	46.4	46.5	45.5	45.5	45.5	45.5	45.3

JENBACHER

INNIO

Distributor & Service Provider

KOHLER-SDMO 15kVA - 4200kVA

High-efficiency diesel gensets
for a wide range of applications

+ Revolutionary &
Reliable Engine

+ Smooth Running

+ Tested & Approved

+ Ultimate
Performance

Cooling System: Up to 50°C
Ambient Cooling

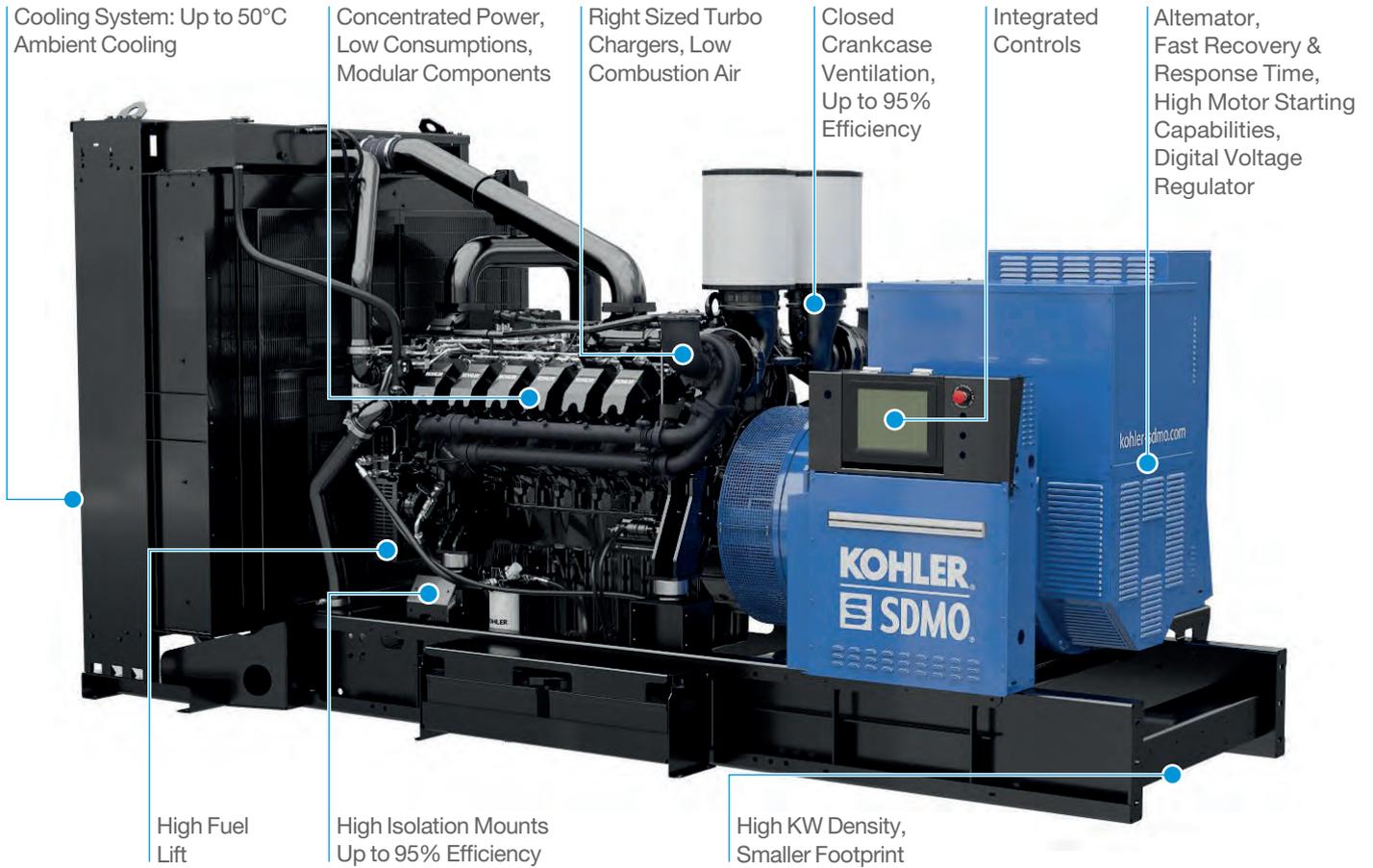
Concentrated Power,
Low Consumptions,
Modular Components

Right Sized Turbo
Chargers, Low
Combustion Air

Closed
Crankcase
Ventilation,
Up to 95%
Efficiency

Integrated
Controls

Alternator,
Fast Recovery &
Response Time,
High Motor Starting
Capabilities,
Digital Voltage
Regulator



High-efficiency diesel gensets can be utilised for continuous power, or alternatively as backup power alongside Jenbacher gas engines.

Clarke Energy assemble Kohler SDMO gensets at our assembly plant in Lagos and offer a comprehensive range for every power requirement.



KOHLER[®]
SDMO[®]

Contact Details

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