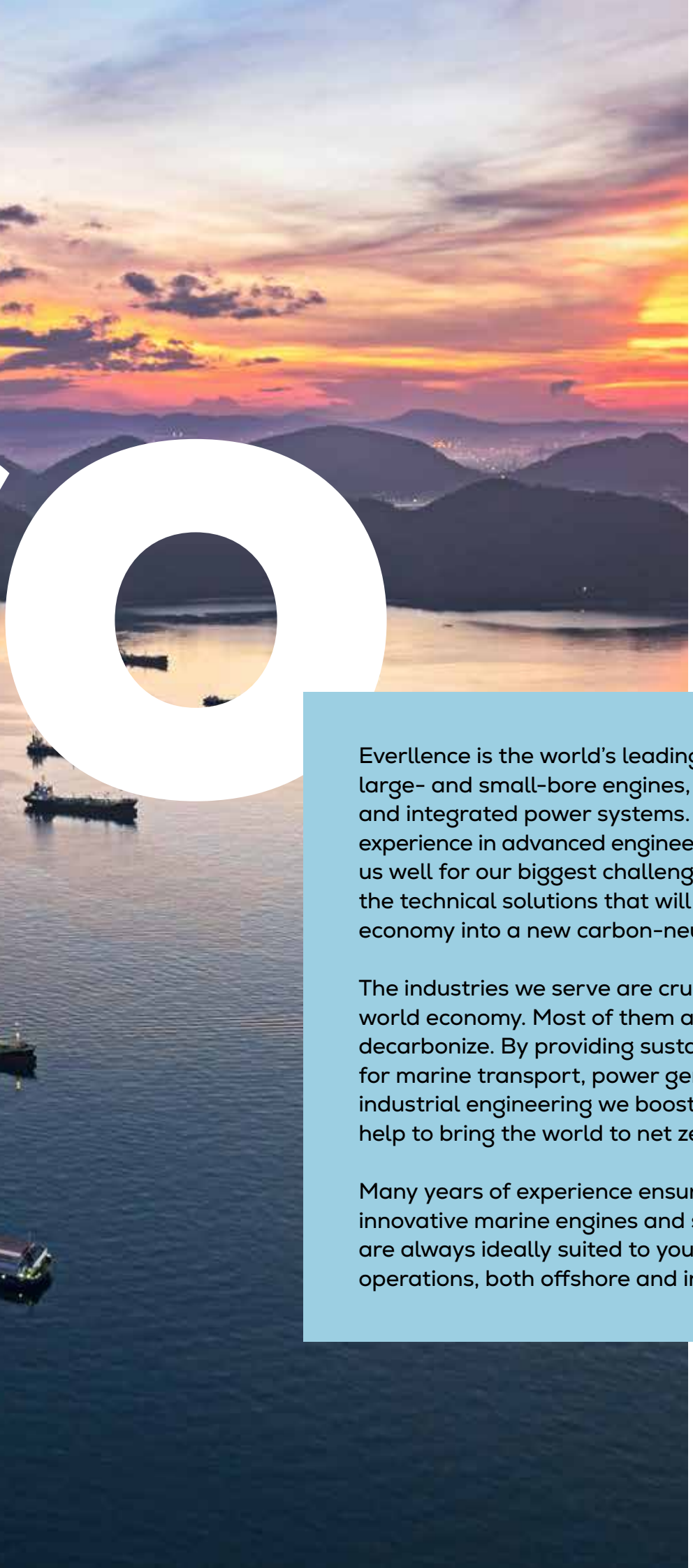
Everllence

Power through uncertainty

Reliable small-bore four-stroke engines for the world's merchant fleet

Moving big things to zer



Everllence is the world's leading provider of large- and small-bore engines, turbomachinery, and integrated power systems. 250 years of experience in advanced engineering has prepared us well for our biggest challenge yet: to provide the technical solutions that will drive the global economy into a new carbon-neutral era.

The industries we serve are crucial for the world economy. Most of them are also hard to decarbonize. By providing sustainable solutions for marine transport, power generation, and industrial engineering we boost business and help to bring the world to net zero.

Many years of experience ensure that our innovative marine engines and systems are always ideally suited to your business operations, both offshore and in harbors.

Reliab
and
efficie

Small-bore engines for the world's merchant fleet
Regulatory and fuel-related uncertainty can make it difficult to plan investments for propulsion engines and GenSets. With our small-bore engines, you are prepared for future challenges and uncertainties.

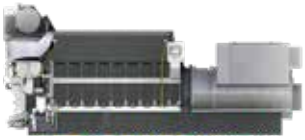
Everllence has built its position as the leading designer and developer of small-bore engines for the world's merchant marine fleet on the basis of high reliability and efficiency.

Proven reliability
Our portfolio of small-bore engines is designed for lifelong operational reliability, availability and minimal downtime – they are ready and up running when you need them. Sturdy engine blocks, stiff crankshafts, and robust connecting rods are just some of the basic design characteristics which secure trouble-free operation and long overhaul intervals.

High efficiency
Efficient performance has a measurable effect on both the environment and your bottom line. Our dual-fuel engines let you select the most economic fuel type for the operating conditions. The cost-optimized port fuel injection concept is also designed for high reliability and efficiency.

Future-proof solutions
The main uncertainties, when chosing an engine, have to do with the environmental and cost factors of fuel. Our answer to this is flexibility. Our single-fuel engines can run on conventional fuel types and also biofuel. Dual-fuel engines let you use methane as additional fuel type. Both the L21/31DF-M and the L27/38DF-M can use methanol as second fuel type. And our retrofitting expertise offers flexibility, now and in the future.

Four-stroke small-bore engines



L21/31DF-M
GenSet

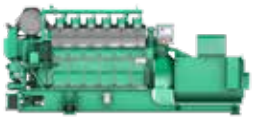
1,000 – 1,980 kW

L21/31 Mk2
GenSet

1,000 – 1,980 kW

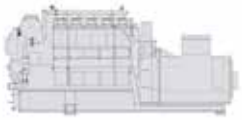
L23/30DF
GenSet

625 – 1,320 kW



L23/30H Mk3
GenSet

500 – 1,800 kW



L23/30H Mk2
GenSet

550 – 1,184 kW

L27/38 Mk2
GenSet

1,980 – 3,690 kW

L27/38DF-M
GenSet

1,980 – 3,690kW

L28/32DF
GenSet

1,050 – 1,890 kW

L21/31
Propulsion

1,290 – 1,935 kW

L27/38 Mk2
Propulsion

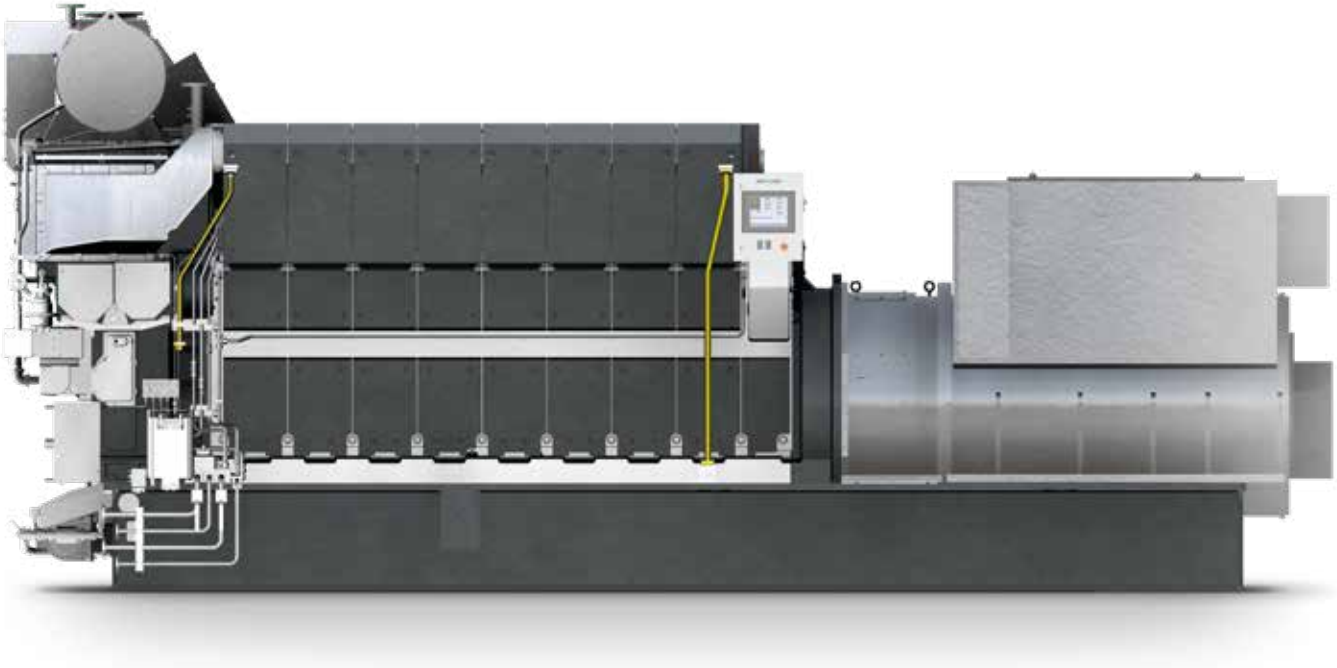
2,100 – 3,690 kW

L27/38
Propulsion

2,100 – 3,285 kW

L21/31DF-M GenSet

Set your course to net zero



Reduced carbon footprint with the new L21/31DF-M methanol GenSet
The new methanol-fuelled GenSet is a compact and reliable power source. It is based on the trusted L21/31 GenSet with a proven track record. It is a versatile power source and features outstanding load-step capabilities and extremely long time between overhauls. Furthermore, it is a perfect match for the Everllence B&W ME-LGIM two-stroke methanol engine.

Features

The Everllence methanol-fuelled GenSet is designed to run on methanol, heavy fuel oil (HFO), and most biofuel oils.

The L21/31DF-M comes with a cost-optimised, low-flashpoint fuel supply system which makes it a competitive solution.

Furthermore, the port fuel injection (PFI) concept provides additional cost optimization and an attractive capital outlay. It is based on proven components and uses a methanol injection nozzle installed outside the combustion chamber. This cost optimized design removes the risk of blocked nozzles in diesel mode and reduces investment costs thanks to its easy installation and integration with standardized components.

The L21/31DF-M is ideal for many different applications.

Benefits

Green fuel flexibility
Can operate on methanol and biofuel oils

Highly efficient
Low fuel and lube oil consumption

Very robust
Long time between overhauls (TBO) and also no unscheduled maintenance and repair work

Applications

Container
Bulker
Ferry
PCTC
OSV
CSOV
Workboat

L21/31 GenSet

Reliable and user-friendly operation

Features

The L21/31 is an inline auxiliary GenSet for diesel-electric propulsion and power generation. It is available with 5 to 9 cylinders with 210 mm bore (5 cylinders only available for GenSet). It runs on marine gas oil (MGO), marine diesel oil (MDO), heavy fuel oil (HFO), and most biofuels. It has an output of 1,000 to 1,980 kW. When fitted with Everllence SCR (Selective Catalytic Reduction), it complies with IMO Tier III regulations.

This engine features a jet assist device that supports the rapid acceleration in partial-load operation of the main marine engines. This improves the maneuvering characteristics by increasing the charge air pressure of the turbocharger. With its outstanding load pickup capabilities and long time between overhauls (TBO), the L21/31 is ideal for many different applications.

Benefits

Convenient power take-off (PTO)
100 % PTO is possible from either end of the engine

Clean engine design
The front-end box incorporates cooling water pumps, thermostatic valves, oil pump, cooler and filter

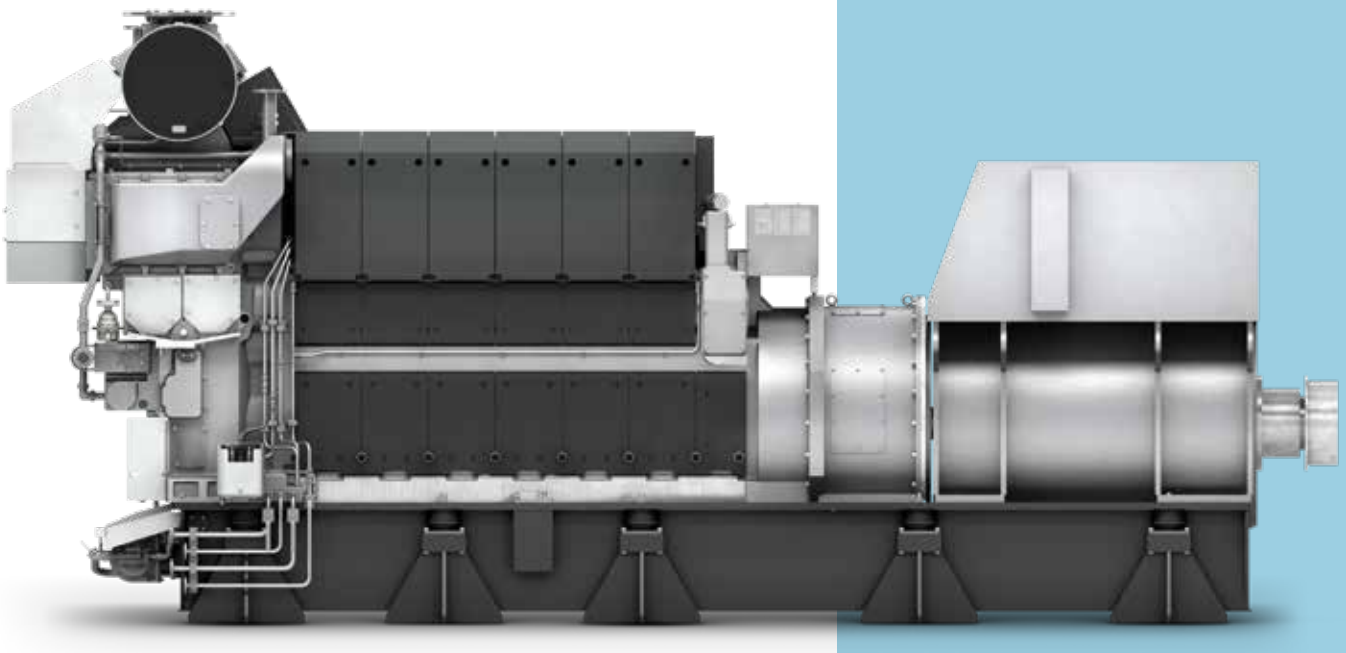
Very short installation length
The standby pump connection is at the side of the engine

Applications

Ferry
OSV
Workboat
CSOV
Fishing

Superior load-change applications and long TBOs

Many years of experience with the propulsion concept, together with customers' requirements for reliability, economy, and technical progress, have resulted in this attractive 900/1,000 rpm engine with a cylinder output of 220 kW (GenSet). The L21/31 engine is the ideal power source for small to medium-sized tankers, cargo vessels, ferries, RoRo vessels, large fishing vessels, tugs, workboats, and supply vessels.



L23/30DF GenSet

Lower emissions at lower costs

A practical solution available as retrofit
With over 14,000 L23/30 GenSets in service around the world, it makes perfect sense to offer the L23/30DF as an economical retrofit solution. The L23/30DF continues the GenSet's tradition of easy maintenance. The robust monoblock engine is made of cast iron. The engine frame and underslung crankshaft restrict combustion and inertia forces to within the same component, thereby enhancing reliability, durability, and availability.

Features

The L23/30DF is an inline dual-fuel engine for power generation available with 5 to 8 cylinders with 225 mm bore and a stroke of 300 mm; the crankshaft speed is 720, 750 or 900 rpm. It runs on marine gas oil (MGO) and liquefied natural gas (LNG), and has an output of 625 to 1,320 kW.

Based on the popular 23/30 conventional diesel GenSet, the L23/30DF is ideal for many applications requiring economical power, reliability, and full compliance with IMO Tier III regulations.

Benefits

Classic engine design and easy operation
The L23/30DF is based on the successful 23/30 GenSet

Flexible installation
Engine and gas valve unit (GVU) can be up to 90 m apart

Long time between overhauls
36,000 operational hours

Applications

LNG shipping
Cruise
Ferry
Cargo ship
Tanker
Bulk carrier

L27/38DF-M GenSet

Methanol-fuelled power

Features

The L27/38DF-M is the latest addition to our small-bore portfolio. It comes in a configuration from 6 to 9 cylinders with 270 mm bore and a stroke of 380 mm. It runs on marine gas oil (MGO), heavy fuel oil (HFO), most biofuel oils, and methanol. It has an output of 1,980 to 3,690 kW.

The L27/38DF-M can be operated with methanol from day one onwards, and relies on a long track record of more than 30 years experience with biofuel oils (power plant application).

This engine type can be used as an auxiliary GenSet or for diesel-electric propulsion.

Benefits

Green fuel flexibility
Can operate on methanol and biofuel oils

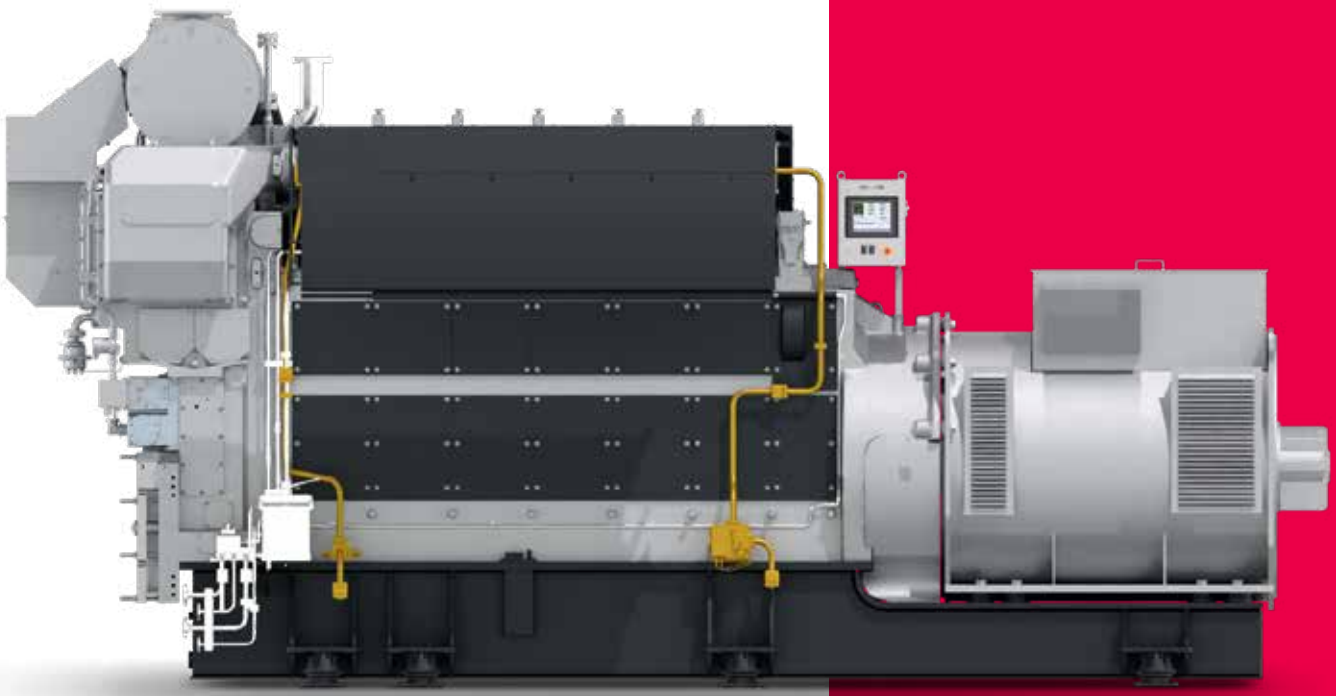
Highly efficient
Low fuel and lube oil consumption

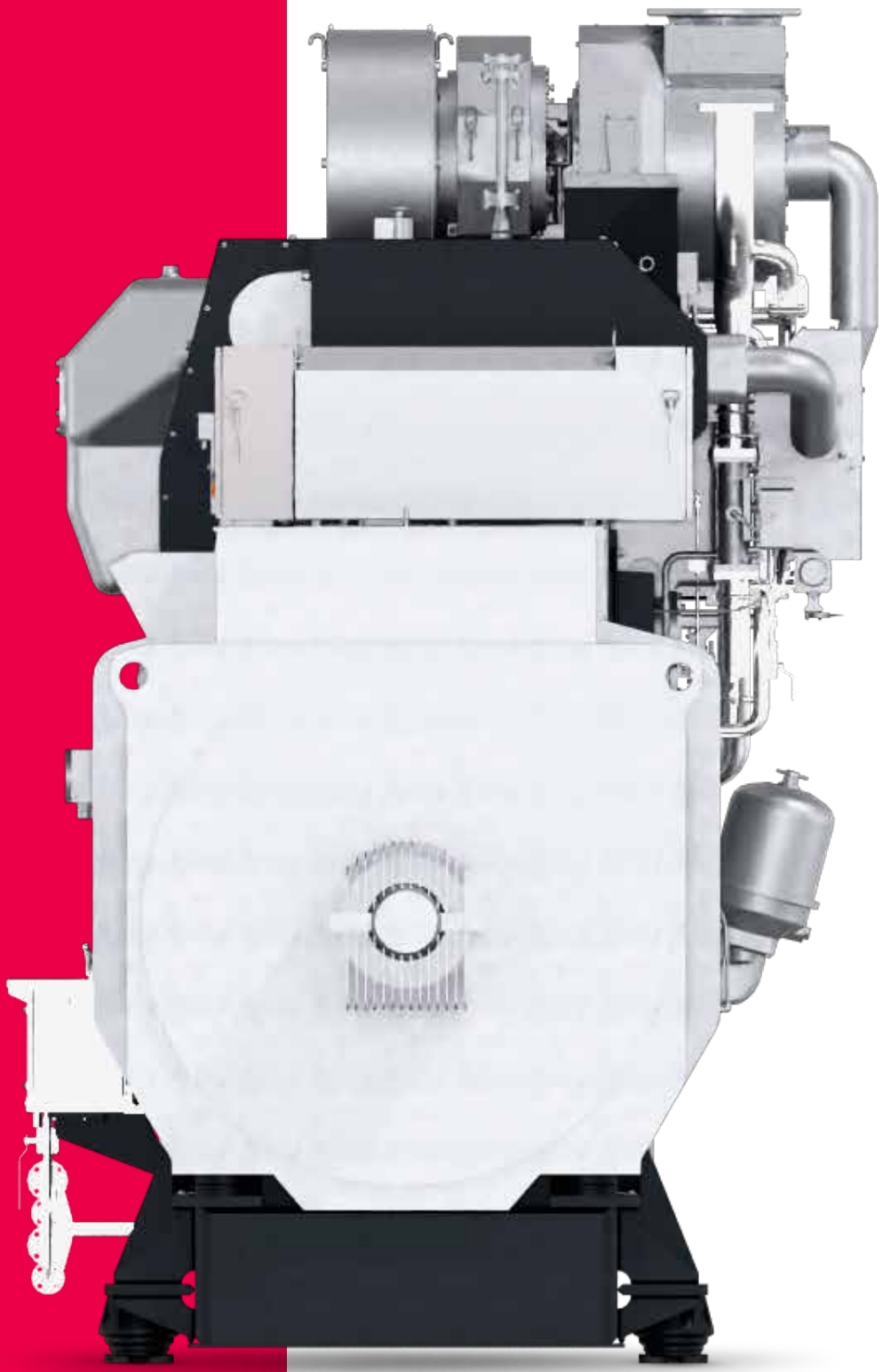
Very robust
Long time between overhauls (TBO) and also no unscheduled maintenance and repair work

Applications

Ferry
Cargo ship
Tanker
Bulk carrier

Supporting net-zero shipping
The L27/38DF-M is a methanol-fuelled GenSet which delivers good performance over the entire load range with a quick acceleration and immediate load response. Long time between overhauls (TBOs) are also valid for the L27/38DF-M and no unscheduled maintenance or repair work are expected.





L27/38 Mk2 GenSet

Ready for business

Reliability and economy in operation
The proven reliability of this engine ensures a long time between overhauls and no unscheduled maintenance or repair work. Additional economic benefits are derived from its low fuel and lube oil consumption – while adhering to legal emission limits. The compact engine is easy to install in a broad range of vessels.

Features

The L27/38 Mk2 is an inline diesel engine available with Mk2 only 6-9 cylinders with 270 mm bore. It runs on marine gas oil (MGO), marine diesel oil (MDO), low sulfur fuel oil (LSFO), heavy fuel oil (HFO), and most biofuels, has an output of 1,980 to 3,690 kW, and can be used as auxiliary GenSet or for diesel-electric propulsion. It features a jet assist device that supports the rapid acceleration in partial-load operation of the main marine engines. This improves the maneuvering characteristics by increasing the charge air pressure of the turbocharger.

Superior load-change applications and long TBOs make the L27/38 Mk2 GenSet an ideal power source for several different types of vessels. It offers full IMO Tier III compliance with the addition of Everllence SCR (Selective Catalytic Reduction).

Benefits

Clean engine design
The front-end box incorporates cooling water pumps, thermostatic valves, oil pump, cooler and filter

Very short installation length
Due to pump connection at the side of the engine

Reliability in operation
Long TBO and no unscheduled maintenance

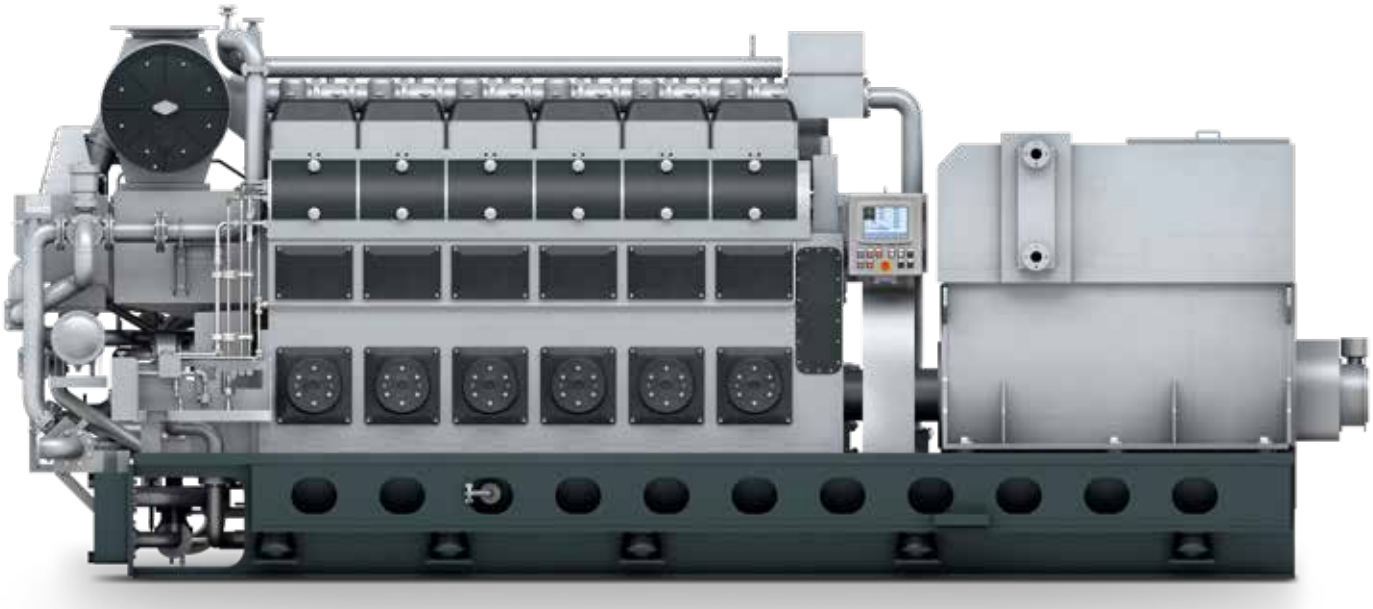
Convenient power take-off (PTO)
100 % PTO from either end of the engine

Applications

LNG shipping
Ferry
Cargo ship
OSV
Tug boat
Fishing

L28/32DF GenSet

Dual-fuel for a flexible future



Exploring the possibilities of clean-burning gas
The L28/32DF engine is based on the proven L28/32H workhorse, recognized worldwide as an ultra-reliable and robust engine with long TBOs. The engine is available in two versions: New build or retrofit. Designed to complement the four-stroke 51/60DF or a two-stroke dual-fuel Everllence B&W ME-GI engine as part of a complete power package. The engine's ability to run on gas offers unprecedented possibilities.

Features

The L28/32DF is an inline dual-fuel engine for power generation available with 5 to 9 cylinders with 280 mm bore and a stroke of 320 mm.
It runs on marine gas oil (MGO), heavy fuel oil (HFO), and liquid natural gas (LNG), and has an output of 1,000 to 1,890 kW.

The L28/32DF complies with IMO Tier III regulations (when fitted with Everllence SCR) while offering the economic benefits of full fuel flexibility and high efficiency regardless of fluctuations in the fuel market.

Benefits

Classic engine design and easy operation
L28/32DF is based on the successful conventional L28/32H diesel GenSet

Long time between overhauls
20,000 operational hours

Full fuel flexibility
Not restricted by fuel market fluctuations

Safe and reliable operation
Design is based on engine types with decades of service experience

Competitive CAPEX
Simplified fuel injection system

Applications

LNG shipping
Ferry
Cruise
Cargo ship
Tanker
Bulk carrier

Making smart connections

Data & connectivity

Enhanced monitoring and machine analytics, and new standards in security and data privacy are set to lead the way to a better future for your business.

The digital power of Everllence

Digital fleet management, remote monitoring, and predictive maintenance are already essential to the marine business. At Everllence, we make data work at many levels, connecting engines, ships, services, supply chains, people, and ideas. Our main objective for all marine applications: Greater efficiency.

Making the most of digitization

Using cutting-edge digital technology allows us to improve performance and minimize down-times. Our remote connections enable live data analysis, ensuring quick, effective solutions. Our energy management system for battery-hybrid propulsion controls the generation, storage, and distribution of power onboard the ship, resulting in maximum efficiency. Multiple digitization initiatives are increasing our understanding of our customers and expanding our offering as well as improving our internal processes and your cost base.

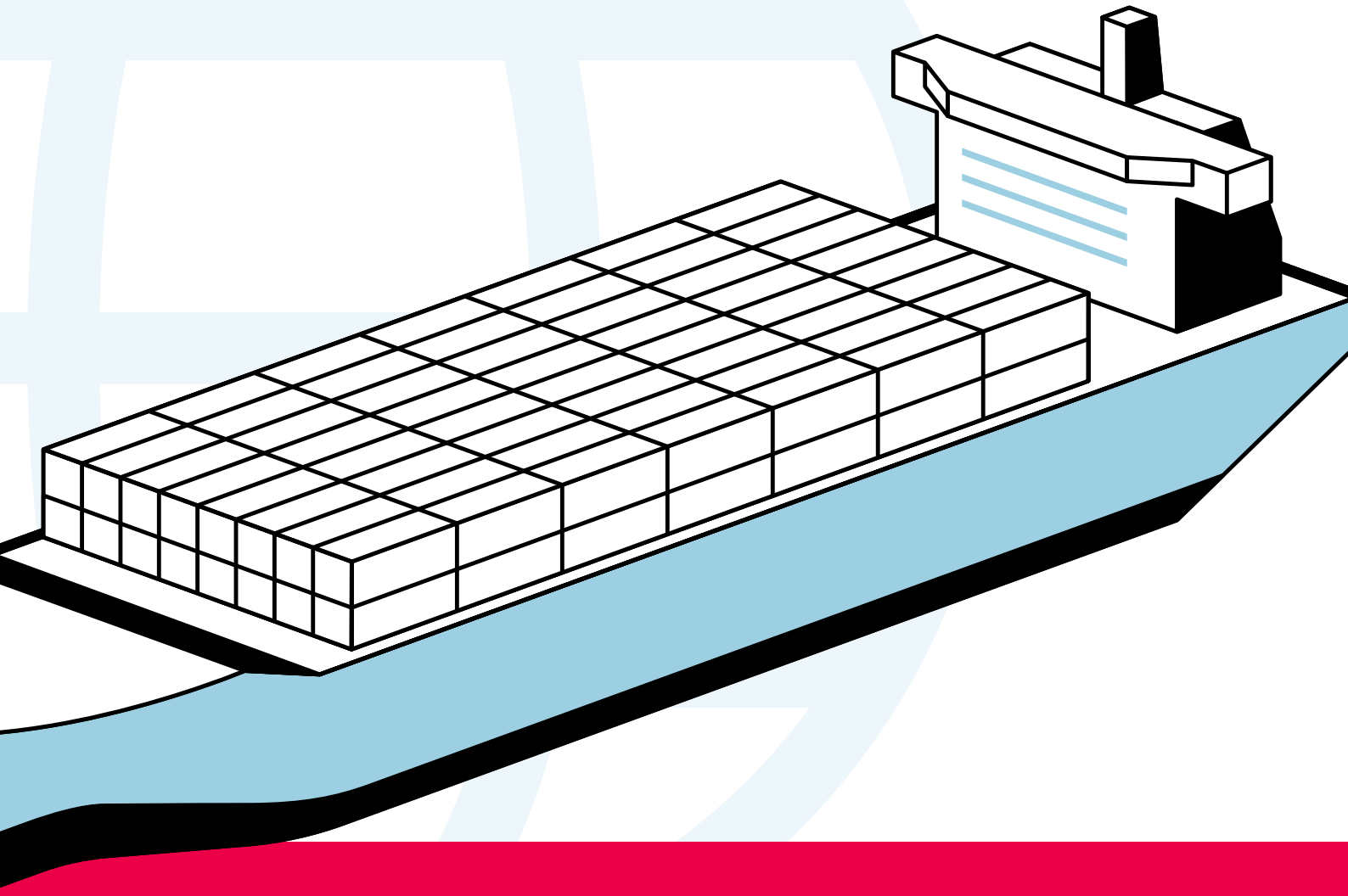
3

Predicting and assisting

Data & connectivity

Secure Connectivity as standard
In order to benefit from data-driven services, a cyber secure and scalable digital infrastructure is key. Since 2000, all of our engines are equipped with the necessary hardware to collect sensor data. This data can be easily transmitted via ship or plant network to our Everllence CEON cloud platform that stores and pre-processes the data. Both on-site hardware, the transmission into the cloud storage as well as the data in the cloud are following latest cyber security standards.

Data-driven services as benefit
With the introduction of PrimeServ Assist in 2019, we provide decision makers on customer side a solution to optimize operation and maintenance of vessels and plants. The offerings combine realtime data analysis and human OEM experts to pro-actively assist anywhere, anytime. This service is available for all Everllence products including propulsion engines, gensets, propellers, SCR systems, Battery-Energy-Storage-Systems and Fuel Gas Supply Systems.



Benefits

- **Increased availability**
  Continuous monitoring to detect degradations before they turn into breakdowns
- **Increased efficiency**
  Pro-active OEM expert advice to optimize fuel efficiency and reduce emissions
- **Optimized maintenance**
  Component condition monitoring to dynamically plan maintenance tasks

From dock to deep sea and on any site – your trusted service partner

Our service portfolio

We offer a full spectrum of services designed to keep your fleet and plants efficient, compliant, and competitive.

- **Genuine OEM spare parts:** Protect your assets with patented, high-quality components manufactured to OEM standards.
- **Long-term service agreements**: Predictable maintenance planning & cost savings tailored to your operational needs.
- **Retrofits & upgrades:** Future-proof your engines and systems for efficiency, emissions compliance, and competitive performance.
- **Technical service & field support:** 24/7 availability to ensure reliability and rapid response worldwide.
- **On-site recovery solutions:** Fast-track repairs to get your equipment back in service with minimal disruption.
- **Remote monitoring & optimization:** Digital solutions to maximize efficiency, safety, and availability of your Everllence machinery.
- **One-stop services with PrimeServ Omnicare:** Consolidate services for your engines, turbines & compressors across major marine and power brands.
- **Everllence PrimeServ Academy:** Get the best qualifications to operate and maintain your Everllence installations.

Our global service network ensures fast response, expert support and maximum efficiency for your engines and systems – helping you stay ahead with reliability you can trust.

We offer comprehensive service solutions:

Sales & spare parts: Genuine OEM parts, expert consulting, and CRM-based support to optimize availability and performance.

Technical service & maintenance: Precision repairs, reconditioning and lifecycle optimization for long-term efficiency.

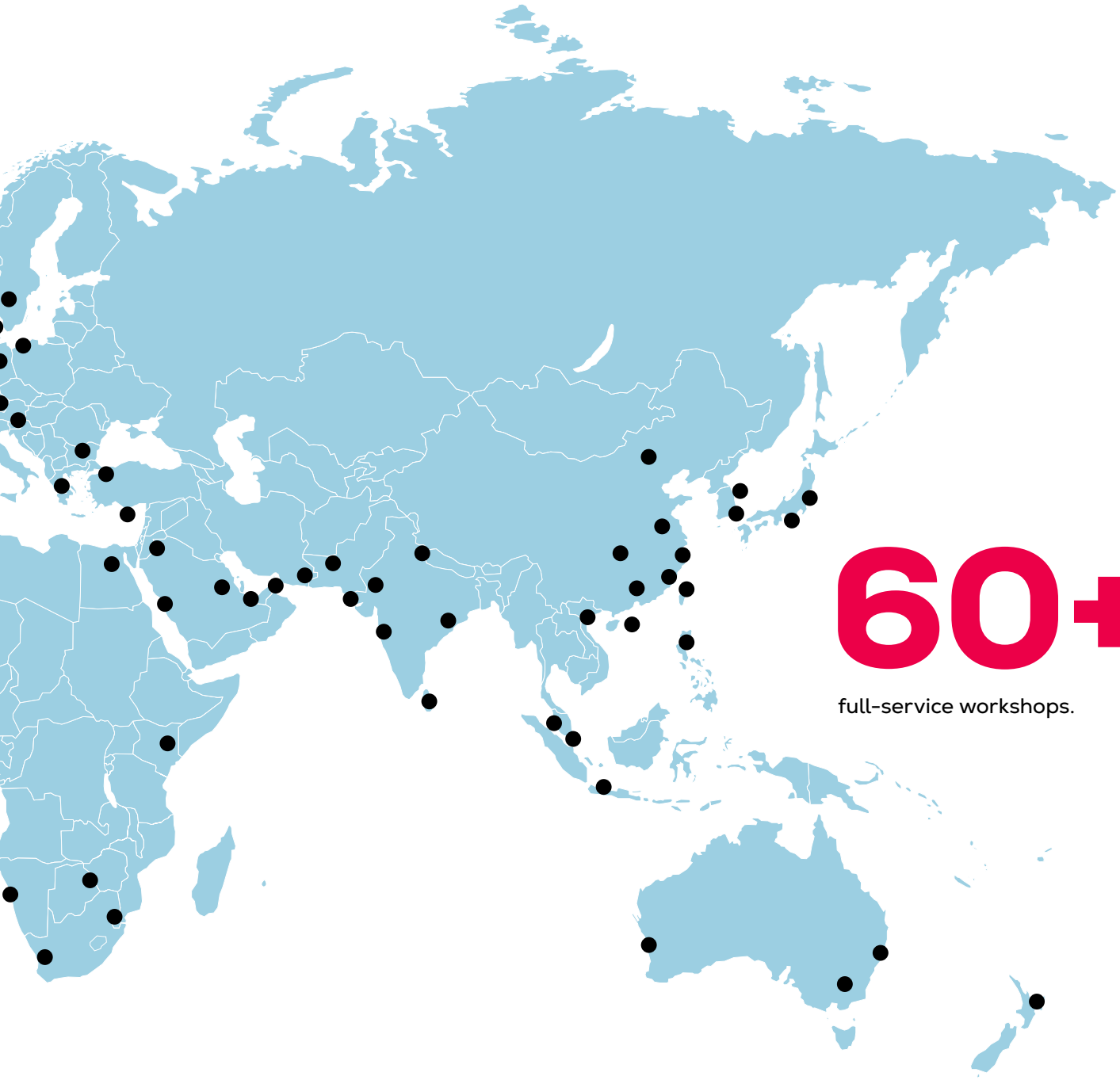
On-site recovery & field service: Emergency response and proactive service, wherever you need us.

100+

locations worldwide.

Our global service at a glance

Did you remember to order spare parts? No problem – we did. We also checked lube oil, engine condition, scheduled maintenance and installed updates. As your service partners, we keep your business running smoothly, securing efficiency and safety 24/7, around the world, on-site and online. We're here for what matters most: your peace of mind.



60+

full-service workshops.

Service is digital – service is smarter
Service has evolved, and so have we. Everllence PrimeServ doesn't just help you maintain your assets, we help you future-proof them. As you navigate the shift towards carbon-neutral operations, our digital service solutions ensure that your technology delivers on its promise.

Powered by expert insight, our real-time support and analytics based on remote monitoring keep your equipment performing at peak efficiency – year after year, without interruption. Because service isn't just about fixing problems – it's about preventing them.

Our location types:
- Sales offices – Spare parts sale & consultation.
- Workshops – Maintenance & repair.
- Flagship service centers – Full spectrum of all services, sales & reconditioning.

Find out more
www.everllence.com/services/service-locations

Everllence

Everllence
2450 Copenhagen SV, Denmark
P + 45 33 85 11 00
F + 45 33 85 10 49
info-cph@everllence.com
www.everllence.com

MAN Energy Solutions SE has been renamed to Everllence SE and its products are being rebranded from “MAN” and/or “MAN Energy Solutions” to “Everllence”. As this is an ongoing process, any reference to “MAN” and/or “MAN Energy Solutions” is actually a reference to "Everllence".

EVR000001EN-250601, GKM-AUG