



Yacht

OUTSTANDING PERFORMANCE.
UNIQUE COMFORT.
INSPIRING EXPERIENCES.



A Rolls-Royce
solution



mtu solutions power
70%
OF THE TOP 20
LARGEST YACHTS
WORLDWIDE



CONTENTS

01 Welcome to the cutting edge Sustainable power From Bridge to Propeller Innovative thinking. Memorable performance.	05 05 07	05 mtu POD propulsion system POD propulsion. Redefining yacht performance. Be agile. Own the power.	34 34 36
02 System solutions Always exploring new horizons A lifetime of intelligent power mtu NautIQ Bridge From standard to fully customizable	08 08 10 12	06 Marine automation solutions Controlling the power with mtu NautIQ mtu NautIQ BlueVision NG The right automation system for your yacht mtu NautIQ Master Integrated platform management system	38 38 40 42
03 Core technologies Incredible power paired with impressive durability Propulsion technology at a glance Outstanding engine and genset power across every level Marine gensets for onboard power and propulsion	14 14 16 21 22	mtu NautIQ Core Alarm, monitoring and control system mtu NautIQ Co Series A virtual copilot at your side	43 43 44
04 Sustainable yacht solutions Meet the needs of tomorrow Emission reduction technologies Setting new benchmarks for clean performance On course to net zero Hybrid systems for yachts Discover the mtu Hybrid PropulsionPack Higher performance. Fewer emissions.	24 24 26 28 30 32	07 Digital yacht solutions Delivering actionable insights through digital solutions Digital yacht solutions for superior yacht performance mtu Go 08 Premium yacht service Leave your worries on shore One smart investment deserves another	46 46 48 49 50 50 52

-
- | | |
|--|---|
| 1 Heesen Home
2x mtu 12V 2000 M61
Hybrid PropulsionPack
1,200 kW/1,610 bhp | 3 Premium performance deserves premium services.
It starts with reliable mtu engines and continues
with Premium Yacht Service. |
| 2 We are a reliable and trend-setting partner which
acts with foresight in a results-oriented manner. | 4 Heesen Galactica Star
2x mtu 20V 4000 M93L
4,300 kW/5,766 bhp |



Welcome to the cutting edge

SUSTAINABLE POWER FROM BRIDGE TO PROPELLER

01

We at Rolls-Royce provide world-class power solutions and complete lifecycle support under our product and solution brand **mtu**. Fully utilizing the potential of digitalization and electrification, we strive to develop climate-neutral drive and power generation solutions that are even cleaner and smarter and thus provide answers to the challenges posed by climate change and the rapidly growing societal demands for energy and mobility. We deliver and service comprehensive, powerful and reliable systems, based on both gas and diesel engines, as well as electrified hybrid systems.

A solution provider

mtu systems power the most modern yachts, the strongest tugboats and the biggest land vehicles and provide energy for the world's most important mission-critical applications. With advanced solutions such as microgrids we integrate renewable energies and manage the power needs of our customers.

For over 110 years we have provided innovative solutions for our customers—meeting even the most demanding drive and power requirements. Our products and services span a wide range of applications and power needs, with both standard and customized options.

An expert in technology

mtu products are known for cutting-edge innovation and technological leadership. That same spirit of innovation inspires our sustainability efforts. Our focus is on developing and implementing system solutions that both maximize efficiency and reduce emissions—which in turn helps to reduce our impact on the environment.

A passionate and reliable partner

We at Rolls-Royce spend every day working together with our customers, to deliver engines, systems and complete lifecycle solutions that best fit their needs. We understand that each application is different and has its own specific demands. Our engineers embrace the challenge of finding the perfect solution for your unique power requirements. Every step of the way—from project planning, through design, delivery and commissioning; to the lifetime care of your equipment—we are dedicated to helping you get the most from your **mtu** investment.

Powering the world of yachts

INNOVATIVE THINKING. MEMORABLE PERFORMANCE.

We have repeatedly set new standards in the world of yachts:
with a passion for technology and an unwavering commitment
to the art of high performance and reliable propulsion systems.

Your world is our world

Broad horizons. As free as the wind. Enjoyment that knows no limits. Regardless of whether you are cruising to the most beautiful spots of the world, coasts of the world, relaxing onboard as the sun sets, or want to experience a rush of speed, we know and understand what keeps you moving.

Captain of the luxury class

Yachts with **mtu** engines have set records and won renown worldwide. From the fastest Atlantic crossing to high-performance installations and displacement yachts—**mtu** solutions stands for power, reliability, and quiet comfort. With their outstanding power-to-weight ratios, robustness, and efficiency, our engines suit a wide variety of yachts and ensure lasting value.

Comprehensive Yacht Solutions From Bridge to Propeller

As a full-scope solution provider, we integrate all components into a finely tuned system tailored to the needs of our clients. Guided by our From Bridge to Propeller philosophy, we ensure seamless interaction of propulsion, automation, and service.

- **Engines & Fuels:** Compact, efficient, and reliable yacht engines—already compatible with sustainable fuels such as HVO (up to 90% CO₂ reduction) and prepared for future fuels like methanol.
- **Automation & Integration:** With **mtu** NautIQ, all onboard systems are intelligently controlled and monitored for maximum safety and efficiency. Integrated system architectures combine propulsion, energy management, and automation for future-proof solutions.
- **Hybrid & Energy Management:** Modular electrification and battery integration enable hybrid operation—proven in commercial vessels and now available for yachts.
- **Data & Predictive Service:** Smart data analysis reduces fuel consumption, increases efficiency, and enables predictive maintenance.
- **Service & Support:** With **mtu** Premium Yacht Service and our global service network, expert support is always at your side—wherever your yacht takes you.

Partners of the highest caliber

If you have the same high demands as we do, if we both have a passion for yachting, then this could be the start of an excellent partnership. Whenever you want to cast off: both we and our engines are ready.

1 Megayacht
Soaring, 2x **mtu** 12V 4000 M65R with Flatbox SCR 8

2 Super Yacht
Meya Meya, 2x **mtu** 16V 2000 M93

3 Yacht
Viking 62 Enclosed Bridge, **mtu** 12V 2000 M63

System solutions

ALWAYS EXPLORING NEW HORIZONS

02

Our integrated **mtu** system solutions connect every component
From Bridge to Propeller, ensuring seamless performance and
control across your entire vessel.

Experience unmatched efficiency, reliability, and innovation
throughout your yacht's operating system.



System solutions

A LIFETIME OF INTELLIGENT POWER

Thanks to our comprehensive solutions, From Bridge to Propeller, you can enjoy complete peace of mind and rely on our product brand **mtu** for support throughout the entire lifecycle. Broad horizons. As free as the wind. Enjoyment that knows no limits.

From the concept

Already at an early stage of design, our engineers provide extensive analysis, documentation and risk mitigation services as well as integrated mechanical, electrical and electronic interfaces.

Unrivalled expertise. Unrivalled system engineering.

We are system partners. Our expertise in ship applications encompasses every possible propulsion configuration, including the engineering services, hardware, and software these configurations require. No matter how extraordinary your requirements, we can supply you with a complete, fully integrated propulsion system from a single source.

**Propulsion System Integration**

We provide comprehensive engineering and technical support for the design and implementation of a vessel's propulsion system. Our application engineering team helps reduce design, installation, and commissioning costs.

mtu NautIQ marine automation solutions

Our intelligent electronic management systems are perfectly matched to your propulsion, giving you a complete package where everything is fine-tuned to your requirements: powerful engine performance, maximum efficiency, uncompromising reliability, and green credentials.

Propulsion Systems

Based on our extensive experience, we provide a range of propulsion systems, from simple solutions to state-of-the-art hybrid propulsion. Our portfolio covers a wide range of requirements, offering reliable and innovative propulsion concepts for various applications. All our engines support the use of sustainable fuels, such as HVO (hydrotreated vegetable oil), enabling environmentally friendly, future-proof yacht operation.

mtuGo**Digital Solutions**

We incorporate digital technology with the latest data security standards in a holistic service approach so the yacht can be operated to its full potential. Our digital platform **mtu Go** enables users to analyze system data remotely (incl. historical data and trends), determine important action steps quickly, and plan them efficiently, either independently or together with the service network.

mtu Service concepts

Our service concept ensures maximum performance and lasting value, with a complete portfolio of service and support solutions including genuine spare parts, training, certified **mtu** technicians up to various overhaul solutions and our ValueCare Agreements.

Premium Yacht Service

Premium power deserves premium service. You should be able to cruise confidently, enjoying every moment along the way. That confidence starts with reliable **mtu** systems and continues with Premium yacht service.

Captain Training

On-site at various **mtu** subsidiaries facilities: Training sessions for captains, crew, and shipyard personnel are free of charge and help you get maximum efficiency from your equipment.

Modernization

The modernization of propulsion and automation systems is a cost-effective way of preserving and improving much needed vessel capacity. **mtu** services include the supply of equipment, planning and implementation of refit and upgrades.

Maximum Comfort

mtu application engineering experience and calculation capabilities will support you selecting the best propulsion configuration, mounting system, flexible couplings in order to fulfill deliver the best performances and the best comfort.

mtu NautIQ BridgeFROM STANDARD
TO FULLY CUSTOMIZABLE

The **mtu** NautIQ Bridge is an advanced, fully integrated bridge solution designed to optimize ship performance, enhance safety, and elevate the customer experience. It is available as both a standard series solution and a fully customized bridge, tailored to the specific needs and preferences of each client.

Full integration From Bridge to Propeller

A key feature of the **mtu** NautIQ Bridge is its seamless integration of navigation equipment and all necessary yacht subsystems for monitoring and controlling the entire vessel. This integration occurs on a single platform, eliminating the need to modify third-party equipment or subsystems, thereby simplifying operation and improving efficiency.

- Easy and consistent user interface to navigation equipment
- In-depth integration of propulsion system
- Multicontrol system—consistent control through a single device
- Touchscreen controls—allow easy HMI customization and software updates
- Equipment health monitoring and vessel optimization
- Connectivity & remote diagnostic of equipment condition



Fully integrated *mtu* solution
From Bridge to Propeller



One face to the customer
For complete vessel operating system



Flexible
To integrate additional functions



Seamless integration
Of product and technology



Unique innovation
Customized design and product features

Dedicated design

All the information is presented in one elegant and user-optimized design. Easy and consistent user interface to navigation equipment.

- Total Navigation Control, simplified management
- Innovative design and functionality
- Safe and user-friendly thanks to consistent user interface
- Seamless user interface across all integrated subsystems

Dependability for builders and owners

All the technology and services come from one source. One face to the customer for complete vessel operating system.

- Global service support, anytime, anywhere
- Seamless integration of product and technology
- Scalable, to integrate additional functions
- High flexibility for updates and upgrades



Scan for
more details



Core technologies

INCREDIBLE POWER PAIRED
WITH IMPRESSIVE DURABILITY

03



Core technologies

PROPULSION TECHNOLOGY AT A GLANCE

mtu yacht engines are “first among equals”. Their quality and reliability meet the most demanding client’s requirements:

- High reliability and availability
- A broad engine characteristic map and unlimited low load capability
- High power concentration at low weight
- Excellent maneuverability and acceleration
- Low acoustic, no visible smoke at all conditions
- Lowest vibrations & highest comfort
- Low fuel consumption over the entire operating range
- Long maintenance intervals

Analytics

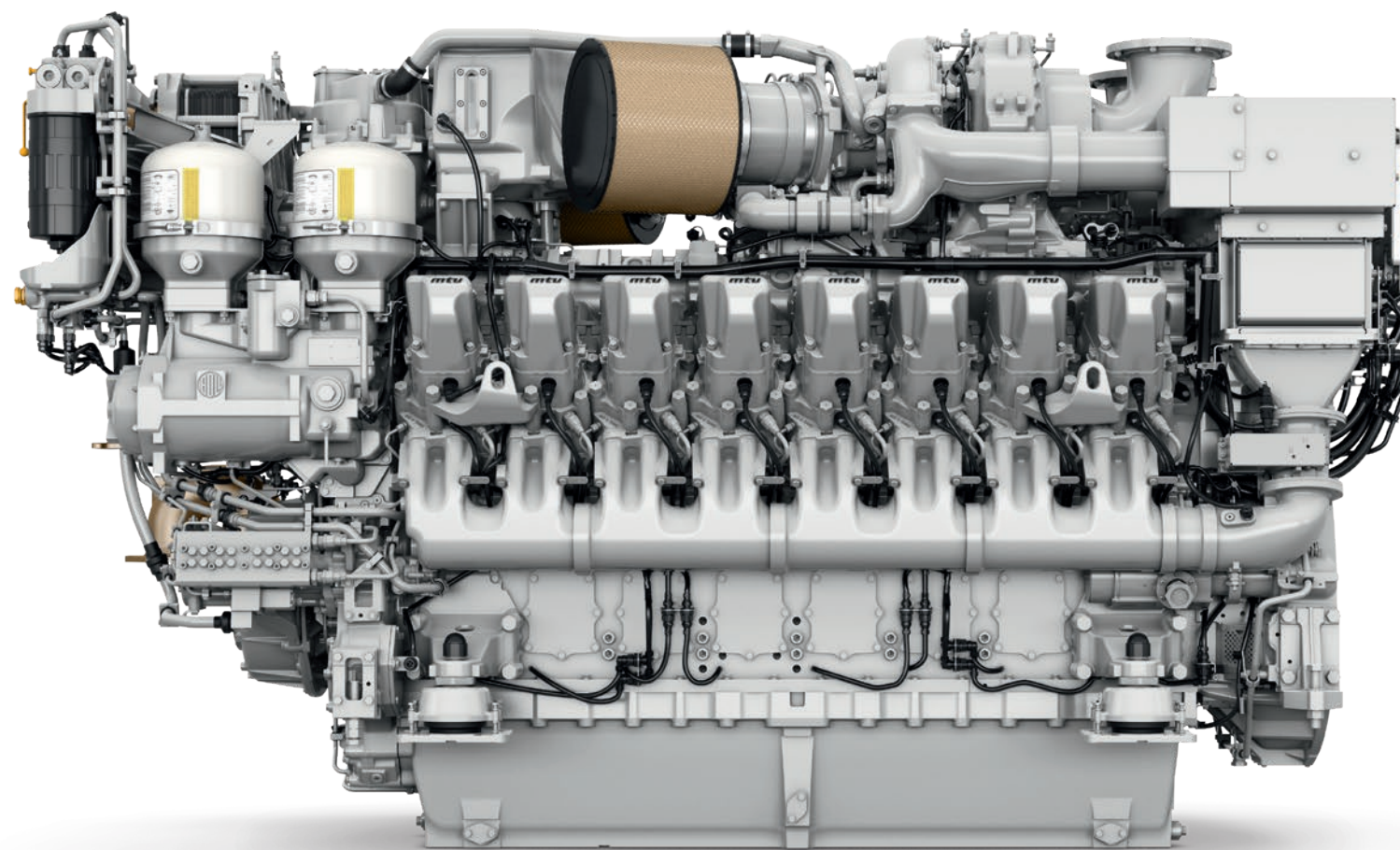
We use the most diverse analysis and simulation tools to develop state-of-the-art propulsion solutions. That includes vibration analysis, component strength verification and dynamic response simulations of entire propulsion systems.

Electronics

The latest generation of **mtu**’s electronic management system, Advanced Diesel Engine Control (ADEC), controls key systems such as fuel injection and turbocharging that affect both fuel consumption and emission levels as well as vessel performance.

Fuel injection

We optimize fuel combustion in the cylinder by means of its electronically controlled common rail fuel injection system.

**mtu Series 4000**

If trend-setting performance in terms of speed, agility and safety is needed, **mtu** Series 4000 offers unsurpassed power density in terms of volume-to-power ratio and power-to-weight ratio combined with the effortless unfolding of power and bottom end torque due to **mtu**’s unique sequential turbocharging technology.

Power range

The wide range of **mtu** engines has answers to the most extreme demands that can be made of a propulsion system. Solutions include the highest performance, greatest reliability and availability as well as superior agility.

Sustainable fuels

Our engines are compatible with sustainable fuels like HVO, enabling a reduction in CO₂ emissions of up to 90%. At the same time, our developers are actively working on methanol engine technology.

Mounting

mtu engines are installed on special rubber mountings to reduce the transmission of structure-borne noise to the ship’s hull. New active mountings support the passive rubber mountings and make their noise reduction far more effective. All flexible connecting elements are developed in-house and certified for their effectiveness in noise reduction.

Aftertreatment

We offer exhaust gas aftertreatment systems, including selective catalytic reduction (SCR), to ensure compliance with IMO Tier 3 and EPA Tier IV emission limits throughout the entire lifetime.

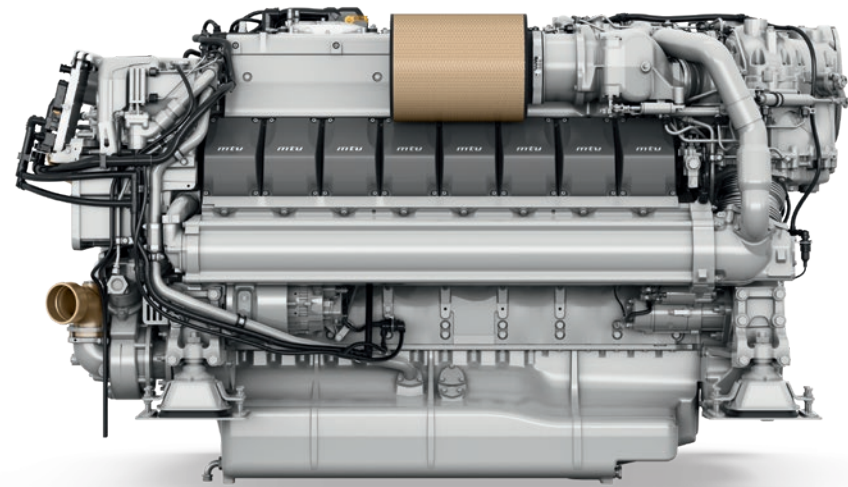
Turbocharging

We develop and produce our own turbochargers for high-performance applications. Sequential turbocharging helps achieve low fuel consumption and high performance across a broad range of operating speeds.

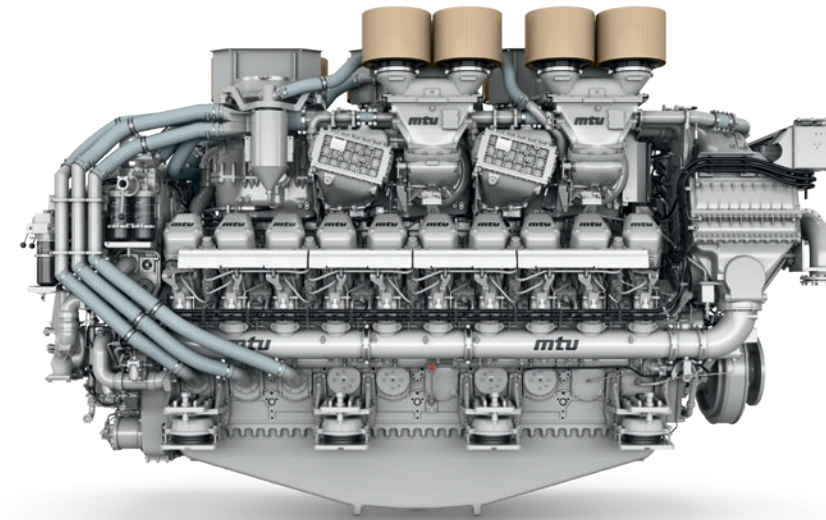
Core technologies

PROPULSION TECHNOLOGY AT A GLANCE

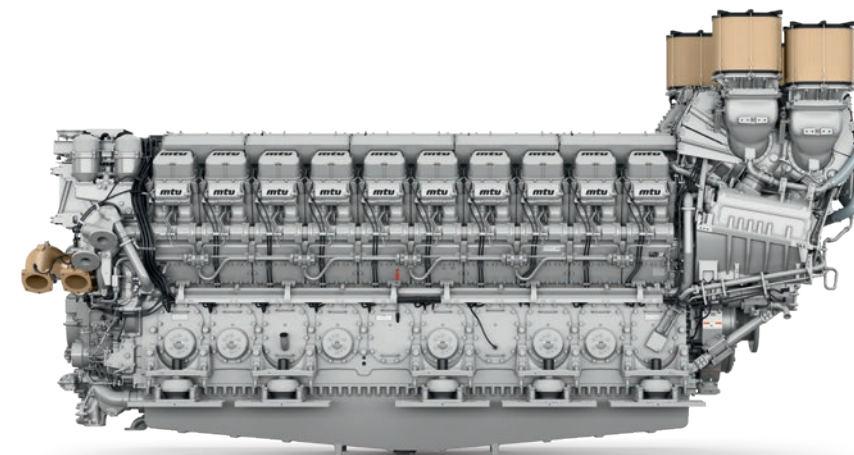
Our engines set the benchmark for engine performance in yacht applications. With an exceptional power-to-weight ratio, excellent driving dynamics, and high operational reliability, they provide a safe and dependable driving experience.



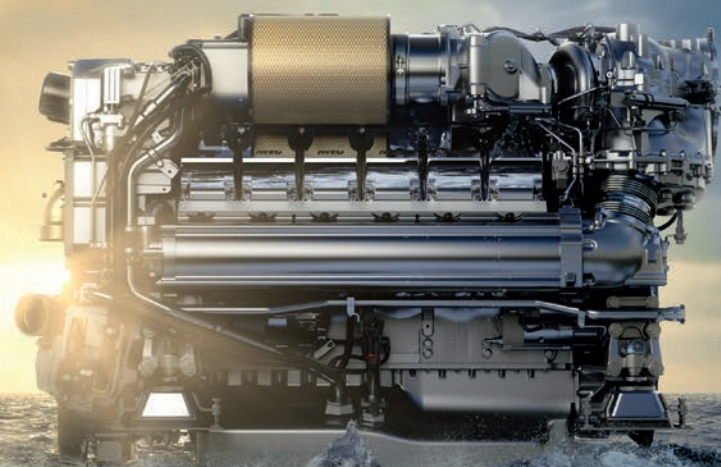
mtu Series 2000
Combines best in class power-to-weight ratio with effortless unfolding of power and bottom end torque.



mtu Series 1163
Combines industry leading safety features with the durability and reliability of the global market leader of high-performance marine engines.



mtu Series 8000
Is dedicated to the marine industry with leading safety features, durability and reliability in its class.



A FORCE EMERGES

With 2,222 mhp (1,634 kW), the new **mtu** 12V 2000 M96Z sets a new benchmark in yacht propulsion.

This latest evolution of the **mtu** Series 2000 combines increased power density with optimized installation space and thrilling acceleration. Reinforced components, an advanced turbocharging system, and HVO compatibility make it more durable and more future-ready than ever.



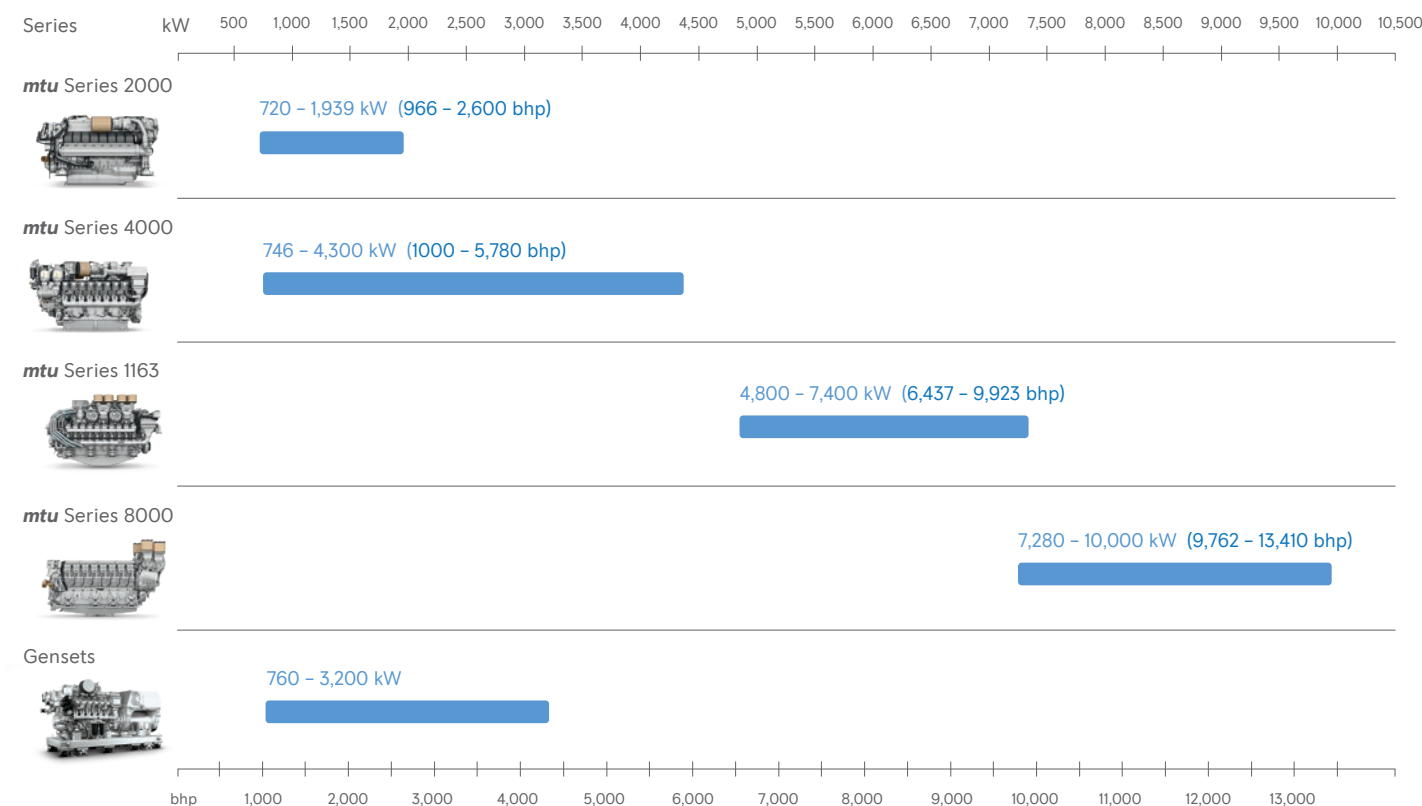
For those who don't just measure power—but feel it.

Find more details on our website.

Core technologies

OUTSTANDING ENGINE AND GENSET POWER ACROSS EVERY LEVEL

Leading the way across the full power spectrum from 720 to 10,000 kW (966 to 13,410 hp), **mtu** engines consistently meet and exceed all emission standards.

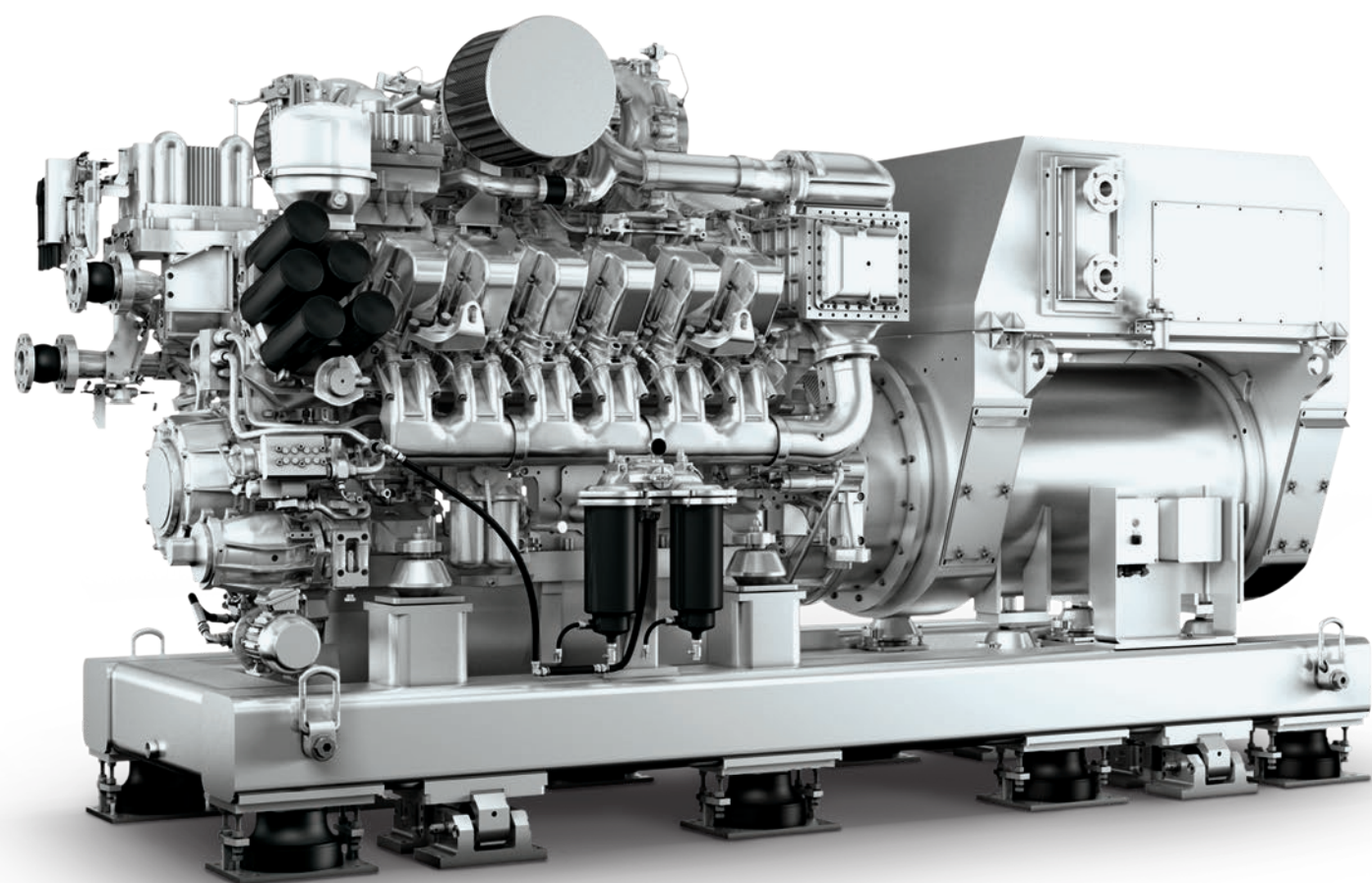


Find more details on our website.

Core technologies

MARINE GENSETS FOR ONBOARD
POWER AND PROPULSION

Whether you are looking for onboard power, diesel-electric or hybrid propulsion, our gensets meet the full spectrum of your requirements.



Advanced Generator Set
Here exemplary shown with **mtu** Series 4000

Our advanced and premium gensets are available as a constant speed version in 50 or 60 Hz or as a variable speed configuration with added electronics. Our sound enclosure and base frame can be specifically tailored to meet your acoustic needs, and the integrated plug-and-play media plate ensures convenient mounting.

We provide emergency gensets for critical situations at sea, when absolute reliability is essential. In addition to gensets for main propulsion and onboard power, we also supply lower-power gensets which can be installed as separate power units in the engine room. Our genset portfolio covers power outputs from 760 - 3,200 kW.

Your benefits are:

- Various available configurations, including full tailored customization, to meet your specific needs.
- Overall system responsibility by us based on its engineering and development expertise.
- Outstanding acoustic optimization for best-in-class comfort (noise and vibration levels can be contractually guaranteed, with all values proven on **mtu** test benches to minimize risk).
- Featuring special plug-and-play technology such as media plate and integrated piping for very easy installation.
- Backed up by decades of experience in customer-specific solutions.
- Proven by the highest number of references in yacht industry.
- All of our gensets are classifiable according to e.g. DNV, LRS.
- Gensets with high quality finishing and painting dedicated for the yacht market.

Sustainable yacht solutions

MEET THE NEEDS
OF TOMORROW

04



Emission reduction technologies

SETTING NEW BENCHMARKS
FOR CLEAN PERFORMANCE

Compared with the previous **mtu** Cube Box, the Flex SCR can be installed horizontally, vertically, upright, or suspended—giving shipyards and operators maximum installation flexibility and seamless integration into any engine room layout.

Our SCR solution—more flexible than ever

Engine room space is often limited. That is why we focus on compact, space-saving selective catalytic reduction (SCR) solutions.

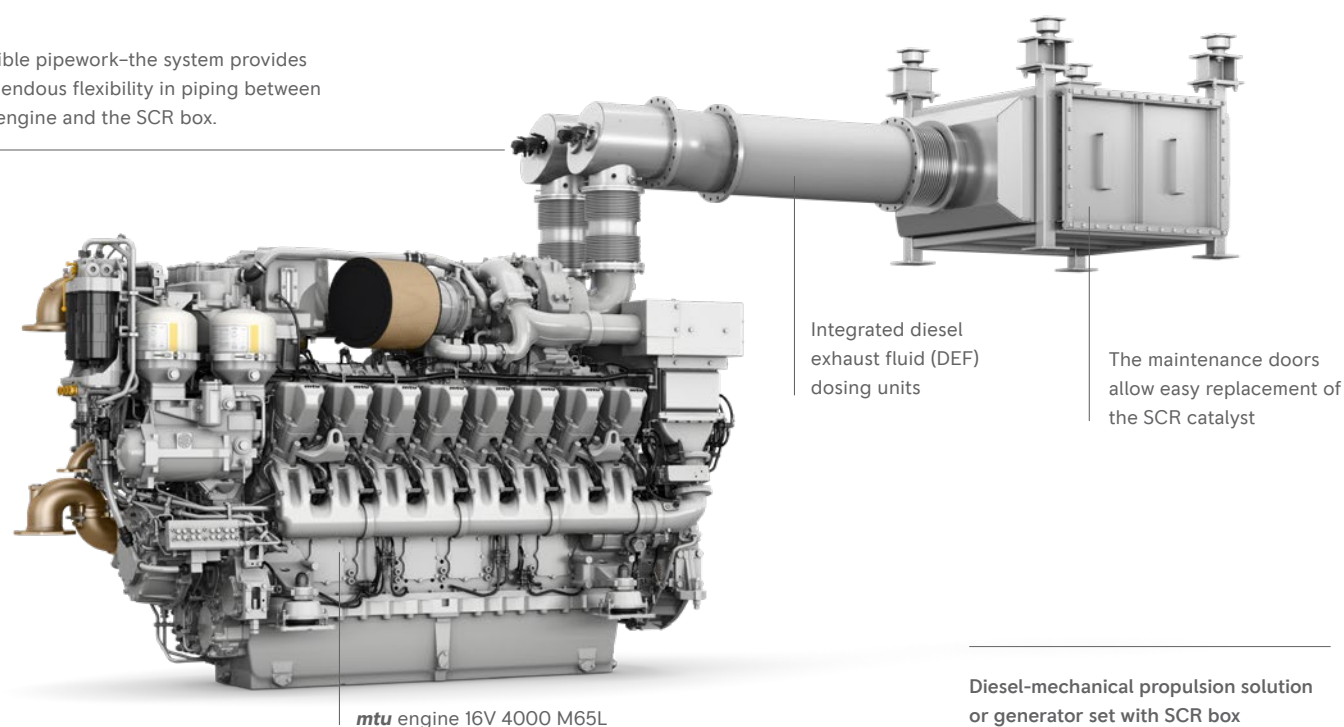
The new **mtu** Flex SCR generation, launched with the 16V 4000 M65L, reduces installation space by up to 42%, weight by 40% and life-cycle costs by 15%. The ceramic substrate achieves up to 18,000 operating hours (depending on load profile), ensuring long-term efficiency for yachts, tugboats, and ferries in emission-controlled areas.

Our SCR solutions are available for the **mtu** Series 4000 and 2000 engines.

Key features:

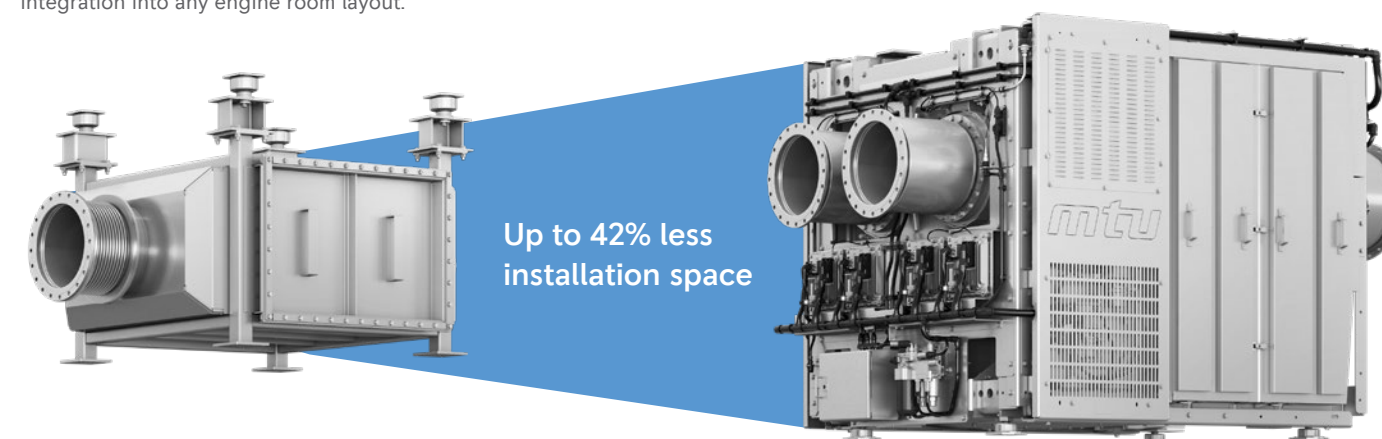
- Up to 42% less installation space
- Easy-access doors for catalyst maintenance
- Integrated diesel exhaust fluid (DEF) dosing, no separate mixing lines
- Flexible routing between engine and SCR unit
- Closed-loop control preventing ammonia slip
- Noise reduction up to 25 dB, often replacing a separate silencer
- Full compliance with IMO Tier III in Emission Control Areas such as the Baltic and North Seas or the North American coast, cutting NOx emissions by 75% vs. IMO II

Flexible pipework—the system provides tremendous flexibility in piping between the engine and the SCR box.



New Flex SCR systems—significantly less installation space required.

Compared with the previous **mtu** Cube Box, the Flex SCR can be installed horizontally, vertically, upright, or suspended—giving shipyards and operators maximum installation flexibility and seamless integration into any engine room layout.



The images highlight the progress: the new Flex SCR solution, with its space-saving design and flexible mounting points, compared to the previous system.

NOx-conformity test

IMO 3 & EPA IV CERTIFIED MARINE
ENGINES WITH SCR SYSTEM

The certification of marine diesel engines fitted with SCR systems is regulated by the IMO and EPA through SCR Guidelines and the NOx Technical Code. For engines fitted with SCR, new requirements regarding the monitoring of the SCR system must be followed in order to ensure compliance with the emission regulations onboard the ship.

Our NOx-conformity test solution:

We are using SCR systems which are based on a closed-loop reductant control strategy, which uses NOx sensors upstream and downstream from the SCR unit as input parameters. The SCR controller continuously monitors and stores SCR operating data in the controller memory.

Your benefits:

Official NOx-Confirmation Document submitted by **mtu** authorized service partner.

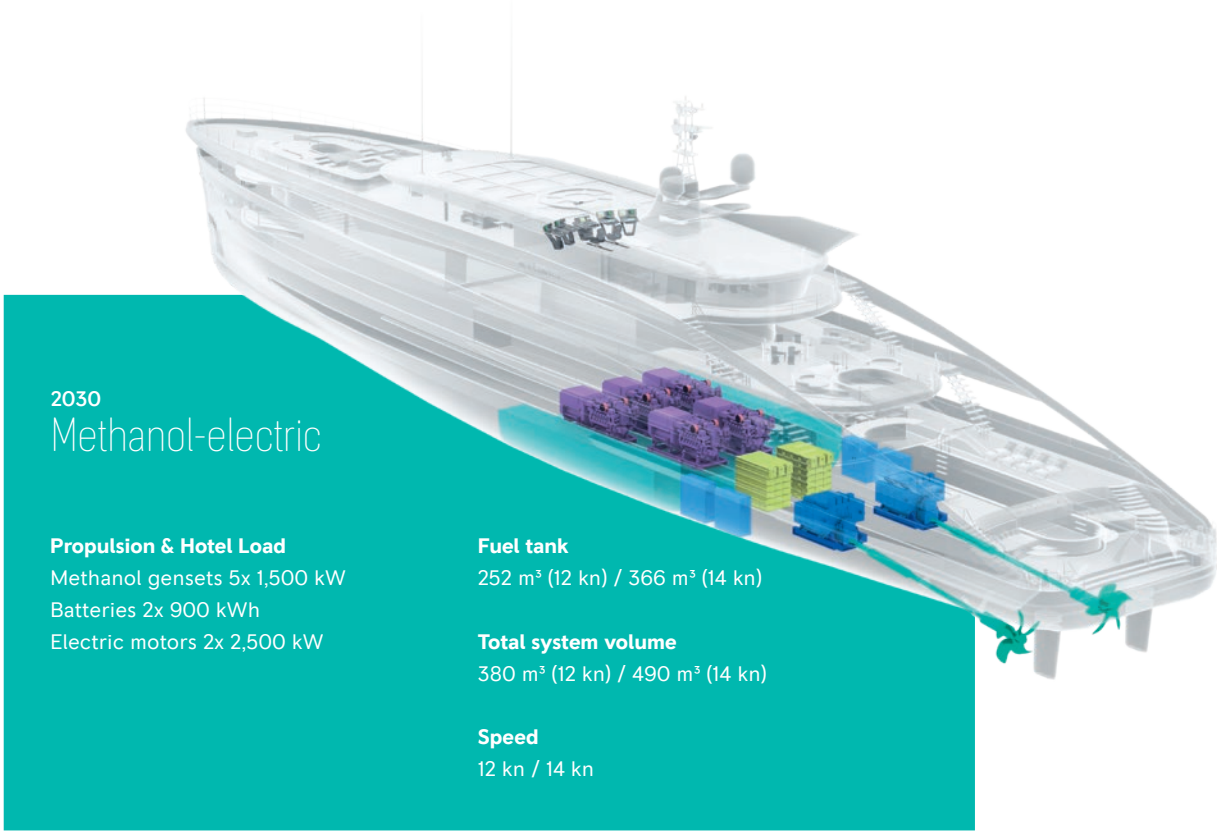
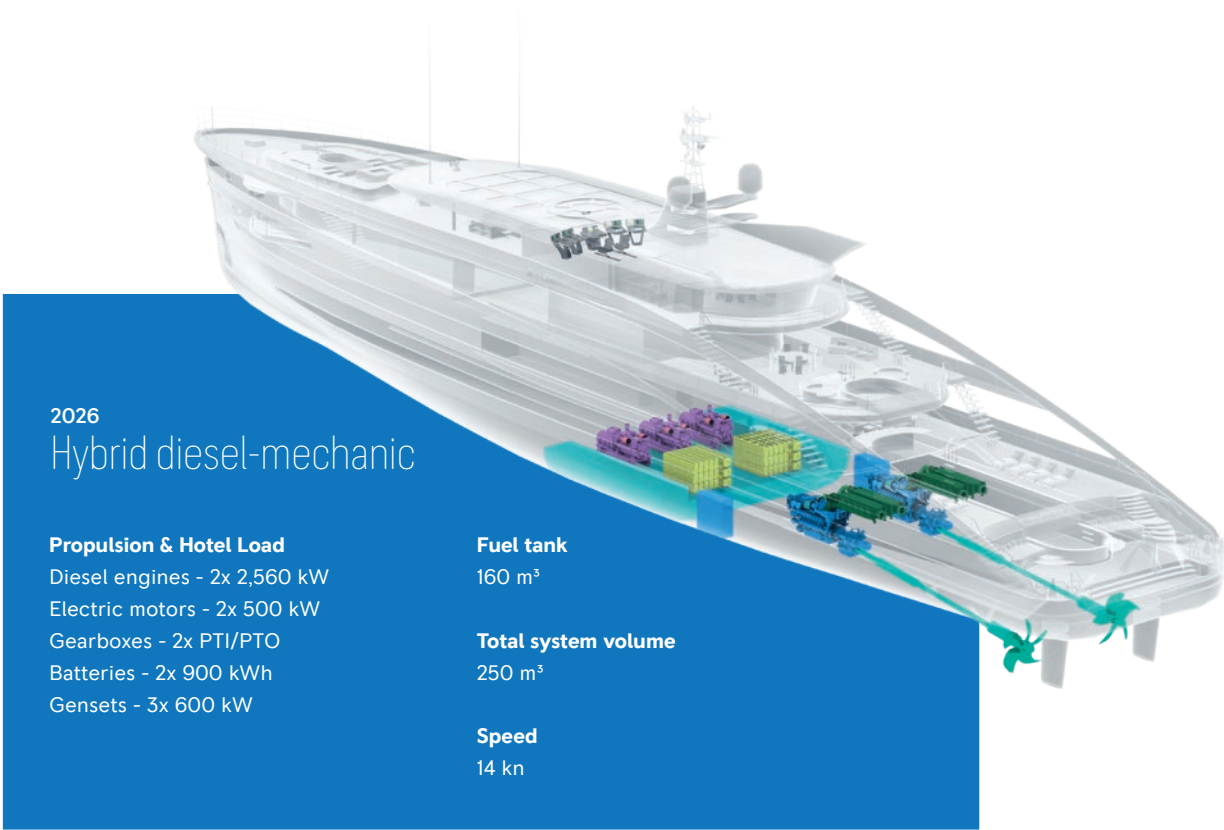
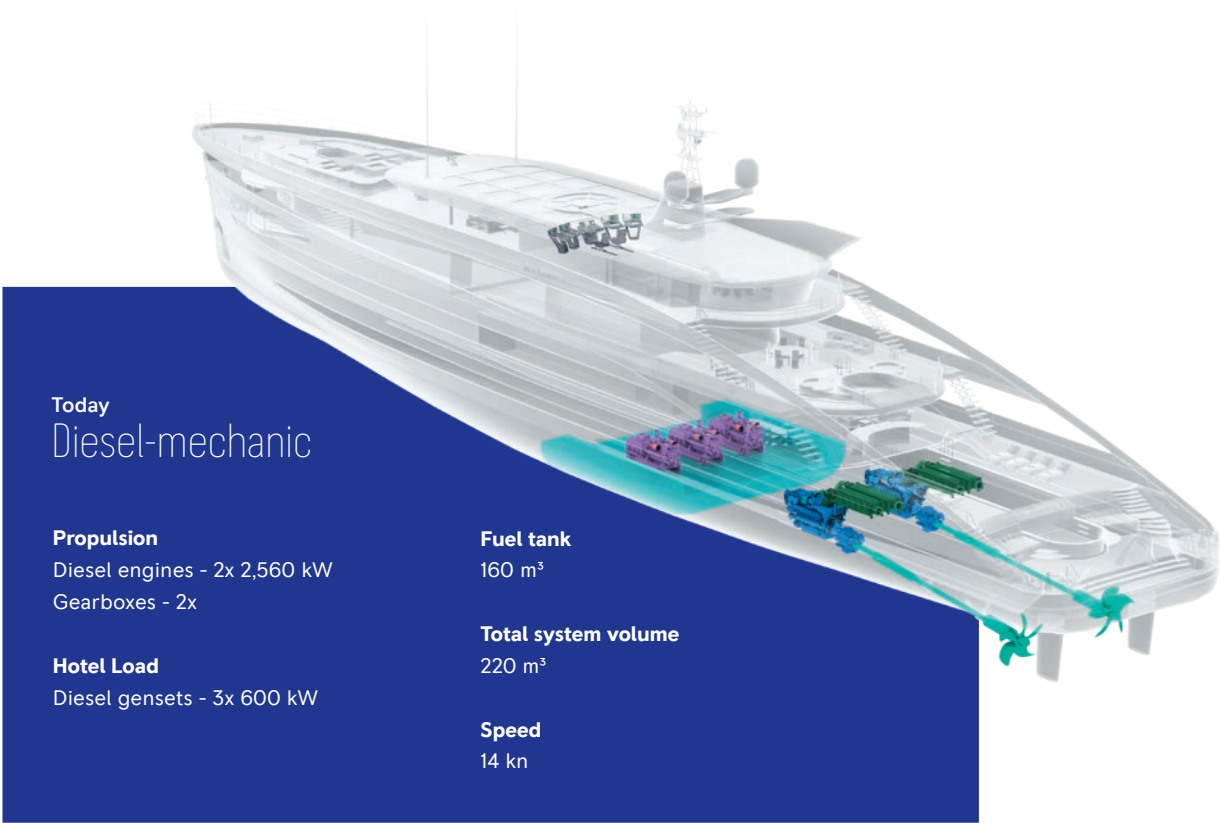
Sustainable yacht solutions

ON COURSE TO NET ZERO

Helping the yachting industry to achieve ambitious emissions targets requires solutions that are both innovative and individually adaptable. Our *mtu* engines already address greenhouse gas reductions by meeting the highest standards in fuel efficiency. On top of that, we optimize our systems to support your journey to net zero by enabling the use of sustainable fuels.

Thanks to over one hundred years of experience in engine construction and systems business, our products continue to set new standards in power efficiency, low fuel consumption and emissions. At the heart of our sustainable solutions is the development of innovative technologies and systems—as the basis for extremely sustainable, environmentally friendly products of the future.

The focus is on engine efficiency, alternative fuels such as HVO or methanol, electrification and hybridization, digitalization and fully integrated system compatibility. Our leading *mtu* Series 2000 and 4000, which account for 85% of our engine sales, can already run on sustainable fuels such as HVO.



Hybrid systems for yachts

DISCOVER THE *mtu* HYBRID PROPULSIONPACK

Make the most of your yachting experience with the *mtu* Hybrid PropulsionPack. Not only does a hybrid system reduce onboard noise levels, emissions and vibrations, it also improves efficiency, dynamics and comfort. The components for onboard power and propulsion are modular and scalable. Each hybrid system can be individually designed to meet your requirements.



Maximized comfort
Reduction of vibrations, noise and air pollution through pure electric or diesel electric propulsion modes.



Efficiency
Fuel savings and CO₂ reduction possible via intelligent propulsion and energy management modes. (Up to 15% depending on configuration and operation profile)



Eco-friendly cruising
Local zero-emission battery powered cruising standby and anchoring.



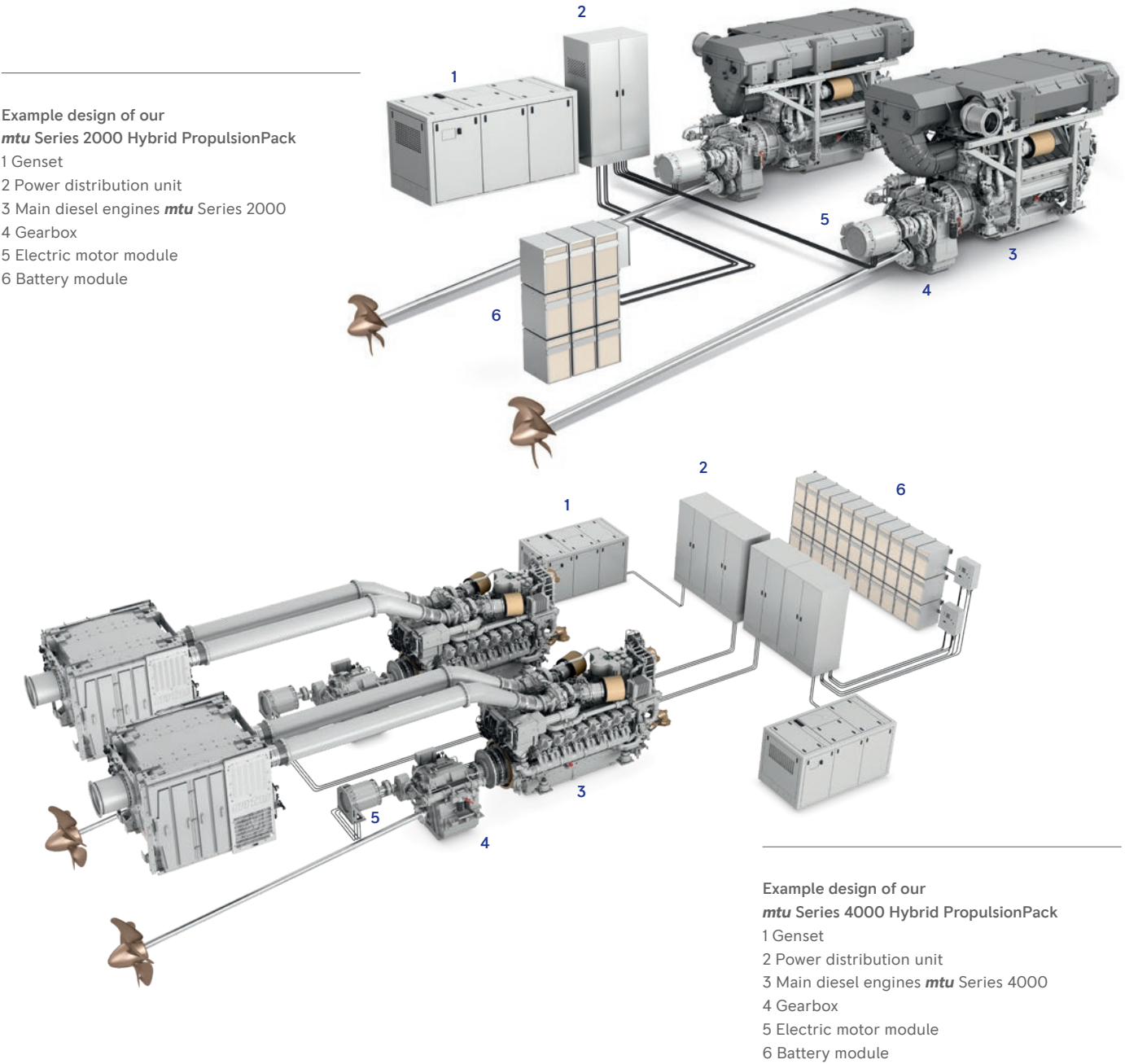
Performance
Optional optimized acceleration behaviour and maximum power.

Enjoy the benefits of quiet yet highly efficient electric propulsion with zero-emission anchoring: no smell, no smoke, no noise, zero-emission maneuvering in harbor areas, and an all-around eco-friendly system.

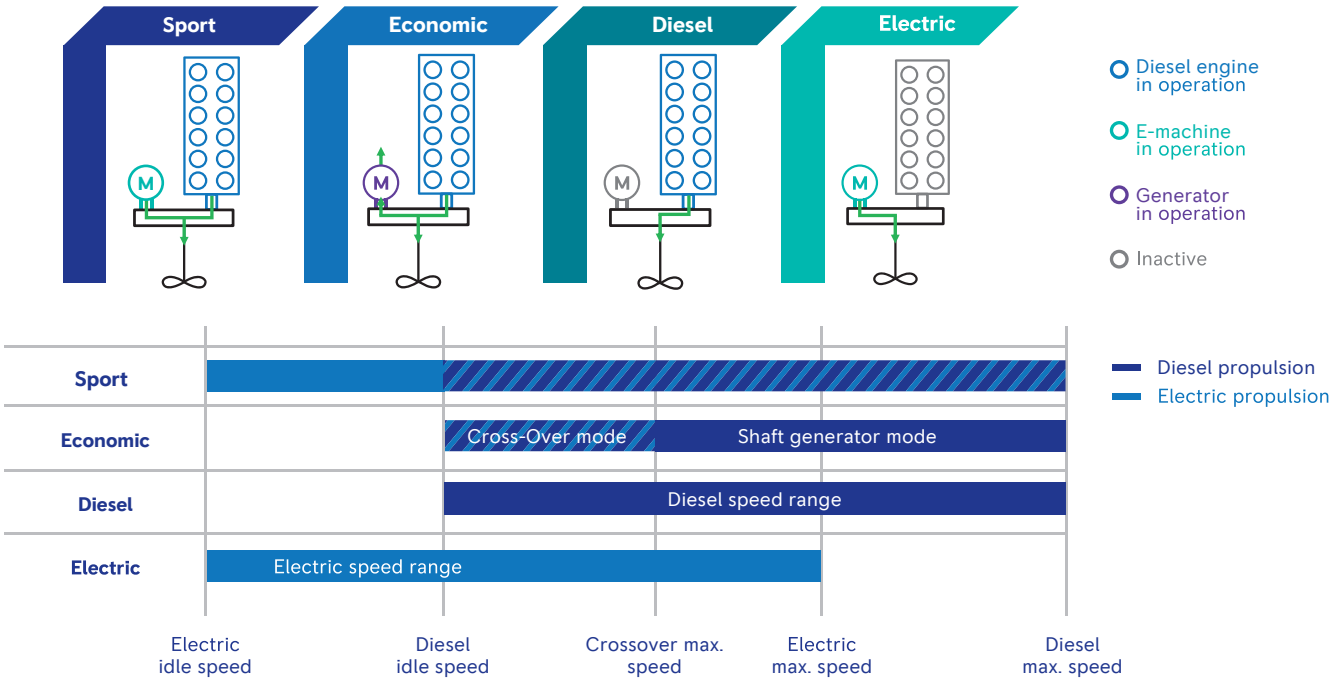


1 Silent cruising	2 Performance	3 Eco-friendly cruising
Imagine your yacht moving as if by magic, without noise and air pollution in superior comfort. The silent mode allows you to enjoy a pleasant ride through coastal or nature reserves without any emissions.	Whether operating in electric propulsion mode or in tandem with a diesel-powered combustion engine, an <i>mtu</i> Hybrid PropulsionPack gives your yacht the greatest possible onboard flexibility. You can rely on having precisely the right power mix at every moment of your trip.	Protecting our oceans is a responsibility we all share. An <i>mtu</i> Hybrid PropulsionPack enables you to easily fulfill that responsibility. As a sustainable propulsion solution, it not only reduces your emissions, but also allows you to undertake pleasurable voyages to previously inaccessible waters.

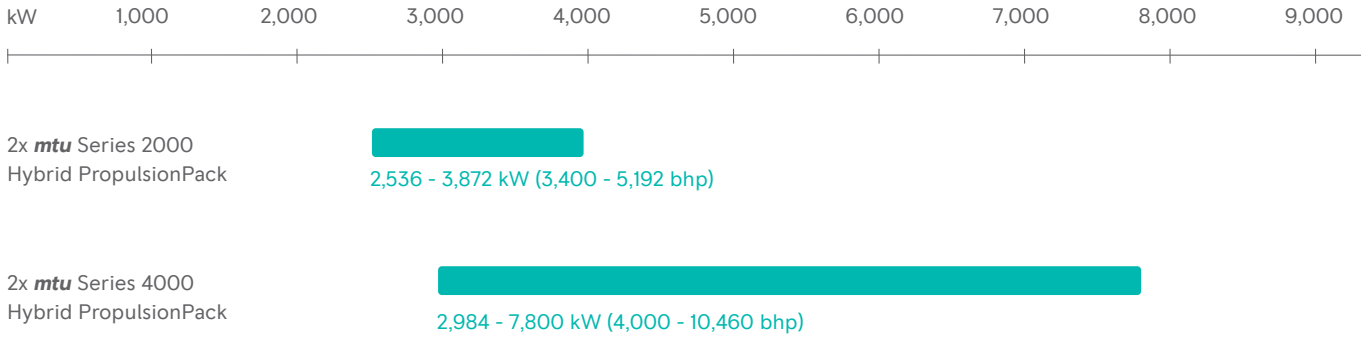
mtu Hybrid PropulsionPacks based on the proven **mtu** Series 2000 and 4000 are ideal for more flexibility and maximum ease of use.



The propulsion modes for a vessel can be selected using the control lever. This lever allows the operator to choose between different hybrid propulsion modes. Depending on the selected mode, the engine provides the necessary power. Additionally, the power supply modes can be selected on a display. This enables the operator to choose the various available power sources.



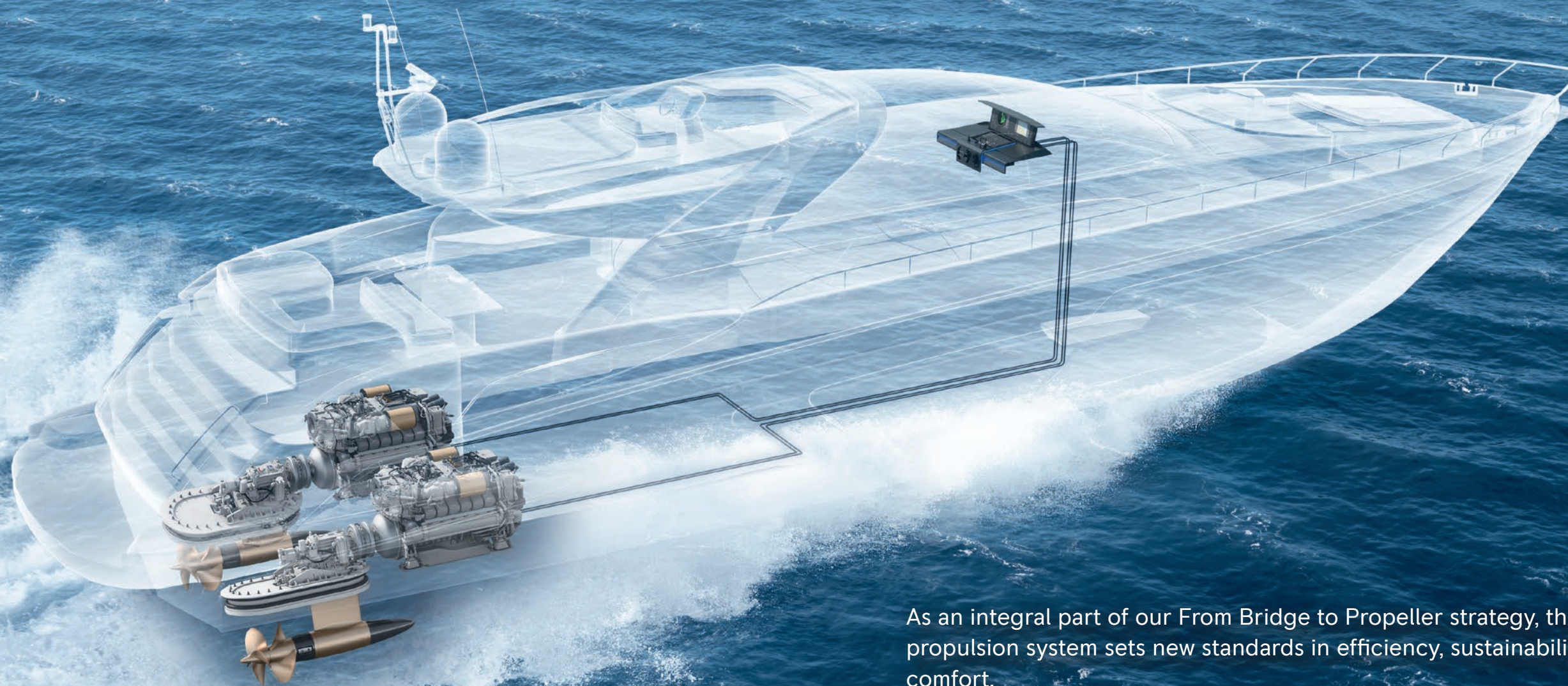
Full range of power



mtu POD propulsion system

POD PROPULSION. REDEFINING YACHT PERFORMANCE.

05



As an integral part of our From Bridge to Propeller strategy, the **mtu** POD propulsion system sets new standards in efficiency, sustainability, and onboard comfort.

By combining advanced hydrodynamics with contra-rotating propellers, the POD achieves exceptional efficiency—delivering lower fuel consumption and reduced emissions. These are decisive advantages for a new era of sustainable yachting.

This efficiency also translates into more compact engine room dimensions, unlocking valuable onboard space for enhanced comfort, luxury, and design freedom. With POD propulsion, performance and sustainability are no longer a compromise but a single integrated solution.

mtu POD propulsion systemBE AGILE.
OWN THE POWER.

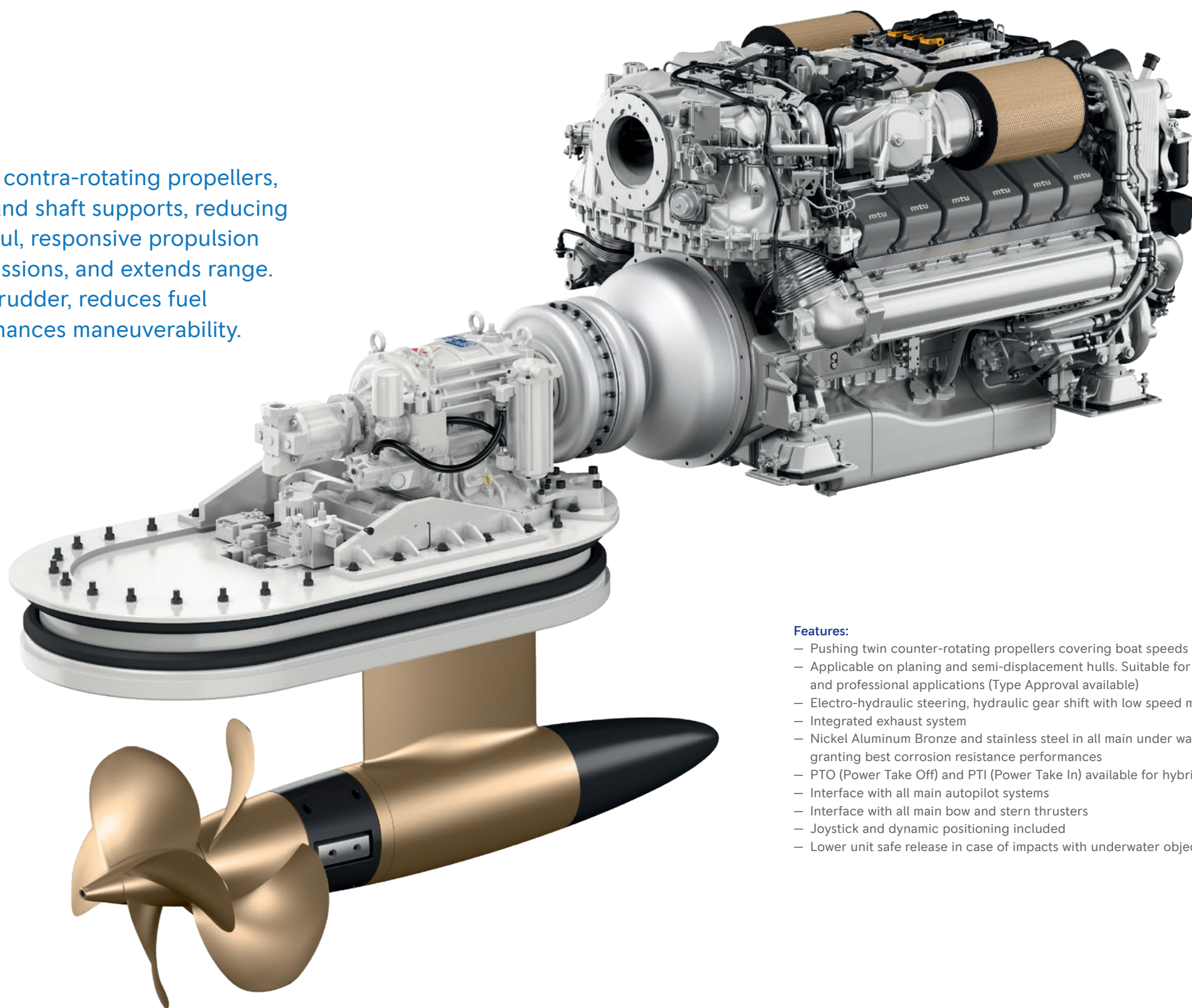
With horizontal thrust and highly efficient contra-rotating propellers, the POD eliminates the need for rudders and shaft supports, reducing drag and resistance. The result is a powerful, responsive propulsion system that consumes less fuel, lowers emissions, and extends range. The compact unit integrates gearbox and rudder, reduces fuel consumption by up to 20 percent, and enhances maneuverability.

Proven in practice: Italian yacht builder Azimut has equipped its new Grande 30 with the coordinated system of **mtu** engine and POD propulsion system—delivering high performance, comfort, and efficiency in series production.

The system's efficiency allows for smaller engines and tanks, freeing valuable space on board—or enabling greater range with the same fuel capacity. Combined with **mtu** yacht engines approved for sustainable HVO fuel and ready for future methanol concepts, POD propulsion is a future-proof solution for sustainable yachting.

Flexible POD-to-hull connections and elastic engine mounts dramatically reduce structural vibrations and noise, raising onboard comfort. With thrust directed instantly where needed, maneuvering becomes effortless—whether docking with precision, holding position dynamically, or cruising at high speed.

Designed for independent operation, each POD enhances handling, safety, and confidence at sea.

**Features:**

- Pushing twin counter-rotating propellers covering boat speeds from 20 to 32 knots
- Applicable on planing and semi-displacement hulls. Suitable for both recreational and professional applications (Type Approval available)
- Electro-hydraulic steering, hydraulic gear shift with low speed mode and trolling
- Integrated exhaust system
- Nickel Aluminum Bronze and stainless steel in all main under water components granting best corrosion resistance performances
- PTO (Power Take Off) and PTI (Power Take In) available for hybrid propulsion
- Interface with all main autopilot systems
- Interface with all main bow and stern thrusters
- Joystick and dynamic positioning included
- Lower unit safe release in case of impacts with underwater objects

Marine automation solutions

CONTROLLING THE POWER with **mtu** NautIQ

06

As a system supplier, we build powerful engines for yachts and the matching automation systems to control their power. With **mtu** NautIQ, you get a customized system that exactly complements the size and style of your yacht and the complexity of its automation needs.

For many years, our sophisticated automation systems have controlled, regulated and monitored the engine functions From Bridge to Propeller –always doing a perfect job! You enjoy the benefits of a complete package where everything is just right: not only optimum engine performance, but also maximum efficiency, uncompromising reliability and environmental compatibility.

The **mtu** NautIQ portfolio of automation solutions offers the ideal combination of performance and precision individually tailored to your yacht.

Emotional design meets engineering proficiency:
our bridge components from the cooperation with
the Italian designer Pininfarina.

mtu NautIQ BlueVision NG

THE RIGHT AUTOMATION SYSTEM
FOR YOUR YACHT

mtu NautIQ BlueVision NG is a non-classifiable and classifiable monitoring and remote control system, incorporating a simple design and complete basic functionality. It is available in three versions: Basic, Advanced, and Avantgarde, special designed for **mtu** Series 2000 and **mtu** Series 4000 engines and one to four engine propulsion plants. Their compact size makes for easy installation and commissioning. The optional Pininfarina bridge components interpret automation with their uniquely elegant design language.

mtu NautIQ BlueVision NG_Basic

mtu NautIQ BlueVision NG_Basic is a non-classifiable monitoring and remote control system, incorporating a simple design and complete basic functionality. It is connected via interfaces to the engine control system, the propulsion system and the auxiliary systems. Local operating panels (LOP) offer basic functionality for installation in the engine room.



Scan for
more details

The extended and classified mtu NautIQ BlueVision NG_Advanced

The extended and classified monitoring and control system has a modular design allowing for flexible configuration. The intelligent technology ensures reliable data exchange and reduces the need for excessive cabling. Optimized interfaces between the propulsion and automation systems result in completely integrated solutions that guarantee security, efficiency and reliability—and all from one source.



Scan for
more details



Joystick Control Unit



Color Display MTD2

mtu NautIQ BlueVision NG_Avantgarde

mtu NautIQ BlueVision NG_Avantgarde provides the most sophisticated and extensively developed solution for standard propulsion automation. Without exception, we can always supply a complete system individually tailored to suit your vessel. **mtu** NautIQ BlueVision NG_Avantgarde is a complete, single source solution which guarantees optimum safety, efficiency and reliability. **mtu** NautIQ BlueVision NG_Avantgarde gives you an excellent overview of what matters most on your yacht, allowing you to manage the propulsion plant easily.



Scan for
more details



Grafical User Interface (GUI), available in sizes from 15 to 24 inches.

designed by



A breath of fresh air in the yachting business—we maintain a cooperation with the Italian designer Pininfarina. The new design line concentrates on four bridge components: A control lever for clutch and engine speed control which is shaped like an engine rod, a tableau panel for engine control, a high resolution touch display for monitoring of the propulsion plant as well as analog instruments for engine speed, pressure and temperature.

All components can be integrated in our current automation product line **mtu** NautIQ BlueVision NG. Additionally, **mtu** cooperates with experienced partners to guarantee premium quality.

Your benefits are:

- Premium supplier with designer co-branding Pininfarina
- Unique design in the market
- Clear design line for bridge components
- Especially designed with a focus on yacht applications



mtu NautIQ Master

INTEGRATED PLATFORM MANAGEMENT SYSTEM

mtu NautIQ Master is an Integrated Platform Management System and offers the optimal solutions to meet a wide range of requirements for all types and sizes of vessels. Typically used on complex commercial projects.

Integrated Platform Management System (IPMS)

With marine design becoming more sophisticated, and more capability being integrated with fewer people on board, only proven designs and software functionality can truly meet the demands within modern project time scales and risk profiles. As world experts in the field of integration, we introduce **mtu** NautIQ Master, the latest evolution of our powerful IPMS solution, allowing more COTS product integration. It is a true System of Systems capable platform.

This powerful mix of **mtu** NautIQ Master distributed processing and highly redundant architecture, coupled to industry standard equipment and protocols allows for a truly supportable platform, with minimal obsolescence risk. This reduces platform cost, integration time and commissioning/installation issues, whilst retaining the survivability and power of the original **mtu** NautIQ Master, with its scalability and flexibility in terms of system architecture.



Scan for
more details

mtu NautIQ Master overview

mtu NautIQ Master offers advanced bespoke solutions designed to suit the complex automation and integration requirements for operators of specialist vessels.

mtu NautIQ Master is capable of providing a fully integrated turnkey electrical and automation solution, being a scalable and feature rich system capable of incorporating the following sub-systems and plug in modules:

- Alarm, Monitoring and Control System
- Integratable Navigation Bridge System
- Integratable Vessel Management System
- Integratable Communications
- Digital CCTV Surveillance
- Propulsion Control
- On Board Training System
- Power Management
- Condition Based Monitoring System
- Damage Control System

**mtu** NautIQ Core

ALARM, MONITORING AND CONTROL SYSTEM

mtu NautIQ Core Alarm, Monitoring and Control System (AMCS) option is an entry-level system that offers a reliable and highly cost-effective solution and is designed using pre-engineered building blocks incorporating built-in expansion for future proofing. A selection of display systems are available to meet operational requirements and console design.

mtu NautIQ Core has been specifically created to deliver Commercial Off-The-Shelf (COTS) solutions for all shipping sectors including: Mega Yachts, Displacement Yachts, Performance Yachts or Sportfishing Yachts. The standard **mtu** NautIQ Core packages are future-proofed allowing for later integration of additional hardware, software and auxillary equipment through the vessels lifetime.



Scan for
more details



mtu NautIQ Co Series

AN ASSISTANT AT YOUR SIDE

The next generation of yachting could be transformed by the **mtu** NautIQ Co products. This advanced assist system might use digital marine sensors, electronic charts, and AI-powered vision to support manual vessel operations.

It could enhance safety by autonomously avoiding collisions and rerouting, reducing human errors. Productivity might increase as it independently navigates routine routes, allowing the crew to focus on other tasks.

By improving situational awareness and reducing crew fatigue, **mtu** NautIQ Co suite could represent a significant step forward in maritime navigation technology.



Digital yacht solutions

DELIVERING ACTIONABLE INSIGHTS THROUGH DIGITAL SOLUTIONS

07

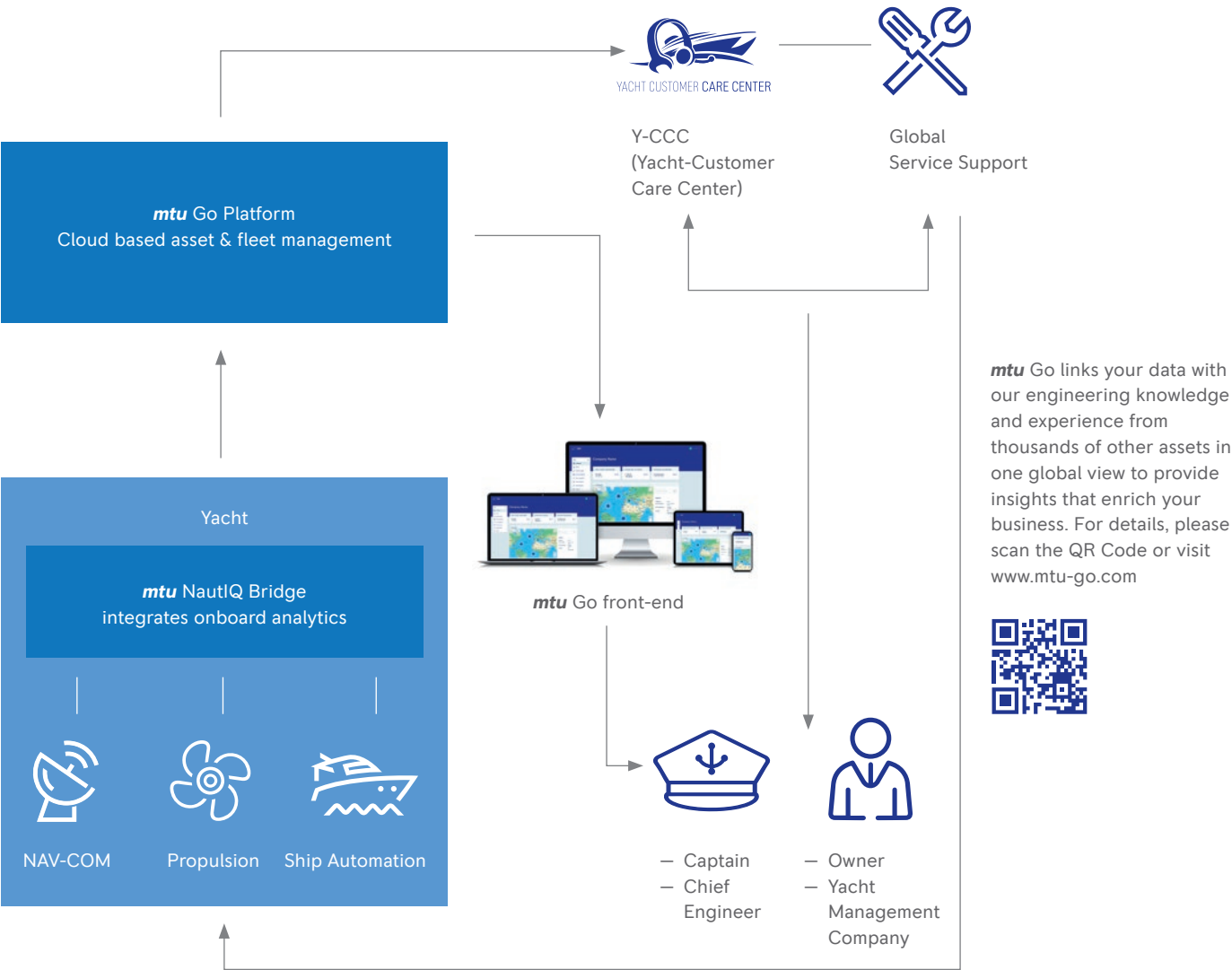
We incorporate digital technology with the latest data security standards in a holistic service approach so you can operate your yacht to its full potential. Our digital platform **mtu** Go enables the user to analyze system data remotely, determine important action steps quickly and plan them efficiently, either independently or together with the service network. Select **mtu** Go digital solutions to ensure a great yacht experience.



Digital yacht solutions

DIGITAL SOLUTIONS FOR SUPERIOR YACHT PERFORMANCE

Yachting has great demands on engines and propulsion systems. Ensuring that a yacht is available for optimal use, means making the right maintenance decisions. Our digital solutions enable you to keep track of operating hours, system alarms and maintenance schedules so you can plan service intervals based on existing documentation more effectively.



Delivering actionable insights through digital solutions



Connect all your equipment
Data collection from your yacht, system and engine
Connectivity is the basis for all the advantages of digitally supported service. Using our edge software connected to the control unit, you and your service network can monitor relevant deviations from the optimum condition remotely. We offer several ways of collecting data, including the creation of interfaces to already existing data sets. In doing so, we always adhere to the highest data privacy and security standards of our industry.

- Access your data**
- Data privacy and security to the highest industry standards
 - Different device and software options ensure optimal connectivity
 - Remote monitoring, available for individual or multiple yachts



Monitor your yacht
Visualization of data for a quick and accurate overview of your yacht
With the **mtu Go** platform, predefined users, such as captains or yacht managers, can view the system data and perform initial analyses by using diagnostic tools. By accessing the technically relevant information, your service network can provide fast support in handling alarms and planning necessary maintenance together with you. Open interfaces allow you to interface directly to your existing dashboards or systems.

- Keep track of your data**
- All important data and alarms available at a glance for efficient monitoring
 - Intuitive and clear design for easy operation
 - Visual comparison of data using the diagnostic tools for initial analyses



Manage your yacht
Digital solutions for your detailed data analysis on necessary actions
Supported by **mtu Go** your Service Network is able to analyze all relevant data from your equipment and compare it with data trends. From that point on we can proactively derive recommendations for action together. In future, the analysis can be enriched with additional external data sets, such as environmental influences or time schedules to create new opportunities for optimized planning.

- Learn from your data (under development)**
- Algorithms for proactive early detection of deviations
 - Troubleshooting based on large amounts of data with artificial intelligence
 - Comparison with data outside own fleet leads for faster knowledge transfer and optimal service tool for initial analyses

Premium yacht service

LEAVE YOUR WORRIES
ON SHORE.
GLOBAL SUPPORT 24/7.

08

When you choose us, you join an elite class of yacht owners, designers, builders and marine engineers who demand only the most powerful, reliable and sophisticated engines. To keep those engines performing optimally for years to come, our engines come with a best-in-class warranty and several complementary **mtu** premium services.

Your new engines already include*

- Prompt, expert support from more than 1,200 locations worldwide
 - Immediate attention 24/7 from our Customer Assistance Center
 - Free re-commissioning inspection, familiarization, orientation and performance sea trial
 - A global inventory of genuine parts to maximize availability
- Comprehensive 24-48 month warranty

*see your warranty for details

Training sessions for captains and crew

Our captain and crew training—a free-of-charge training module for captains and shipyard personnel—is a great way to get maximum efficiency from your equipment.

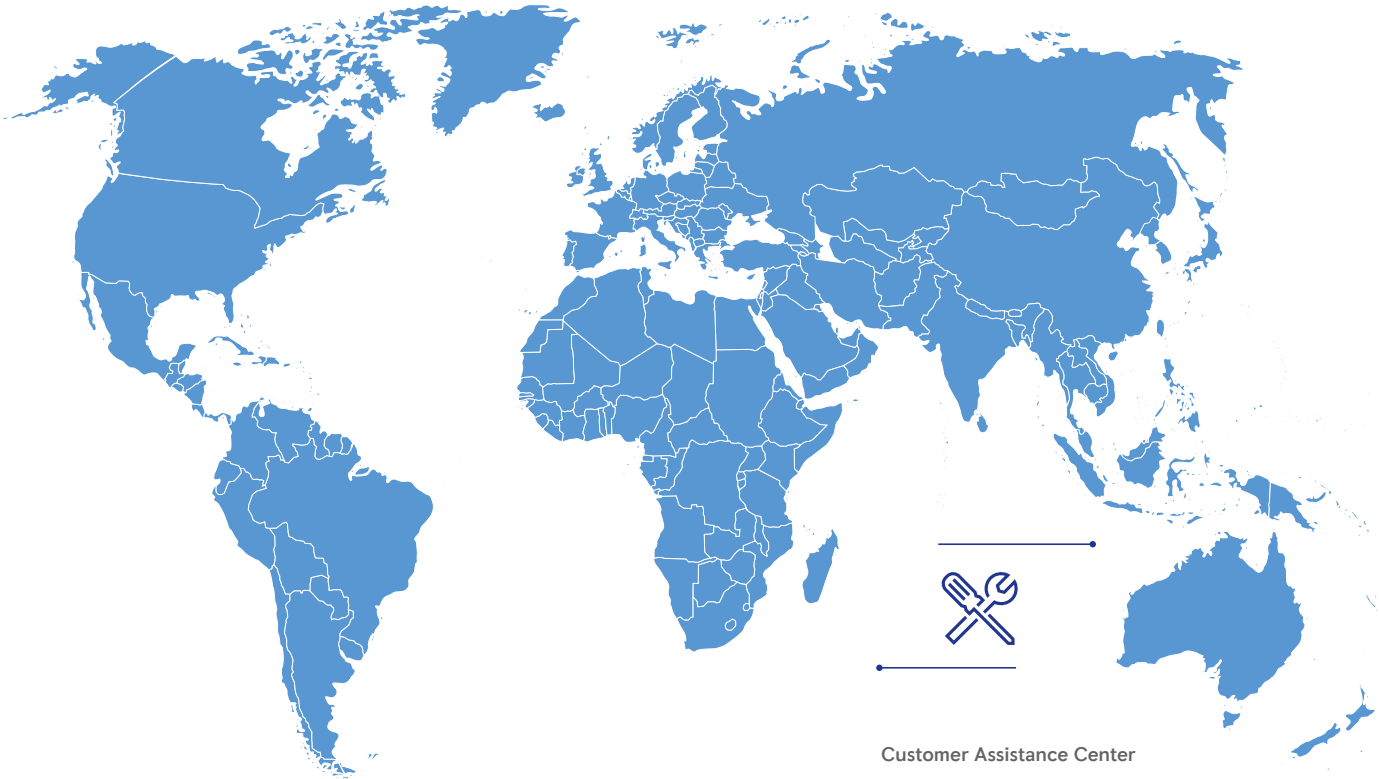
Premium power deserves premium service.

It's more than a yacht. It's a symbol of your sense of adventure and your freedom from an ordinary life. A personal dream fulfilled.

Our job is to make sure you can live that dream anytime, anywhere, confident that we're ready when and where you need us. That's why **mtu** premium services are the perfect complement to your **mtu** yacht engines.



PREMIUM YACHT SERVICE



Customer Assistance Center

One call is all it takes.
Agents are available 24/7
to respond to your inquiries
and any service needs.

Customer Assistance Center
+49 7541 90-7777

Asia/Pacific
+65 6860 9669

North and Latin America
+1 248 560 8888

E-mail:
info@ps.rolls-royce.com

Premium yacht service

ONE SMART INVESTMENT DESERVES ANOTHER

You’re justifiably proud of your yacht. From her powerful performance and unmatched beauty to her handpicked décor, it reflects your individuality and passion. Your yacht is also a substantial investment. You should be able to cruise confidently, enjoying every moment along the way. That confidence starts with reliable engines and continues with **mtu** premium services.

The only service portfolio designed with your propulsion system in mind to:

Protect your investment.

- Extended Coverage (EC) provides added protection beyond the standard warranty and is fully transferrable, enhancing resale value. Extendable up to 11 years, it’s also available for used **mtu** equipment.
- Certified **mtu** technicians keep your equipment performing optimally and help you avoid the unexpected.
- Annual check provides yearly inspections and maintenance recommendations from the experts who know your engines best.

Extend equipment life.

- Genuine parts and consumables keep everything running smoothly.
- Reman and Overhaul solutions turn back the clock, giving your equipment a powerful new life.

Optimize ownership.

- ValueCare Agreements maximize equipment reliability and optimize lifecycle costs.
- **mtu** Go helps you monitor activity from afar so you can identify faults early and make informed decisions quickly.
- Remanufactured products keep your costs down without compromising quality.
- Training empowers your captains and crew with invaluable hands-on experience.

Value Care Agreement (VCA) for Yacht

- Ensure parts availability, price stability and eliminate unexpected maintenance cost.
- Fixed pricing per operating hour for preventive & unexpected maintenance (labour and parts).
- Proactive maintenance planning and troubleshooting are carried out by a dedicated VCA Manager at headquarters.
- Key corrective maintenance parts in a reasonable period of time available.
- 24/7 standby service with remote technical support–Customer Assistance Center.
- Dedicated support for technical issues.
- Annual reporting of completed and upcoming maintenance.
- Digital solutions.
- This offering is available for different regions. Additionally, a supervisor from Headquarter can be included.
- Extension of Scope (Gearbox, Generator, etc.) and trainings are also available.



Up to 11 years warranty -
longest warranty in the industry.



Higher resale value of the yacht
with factory warranty.

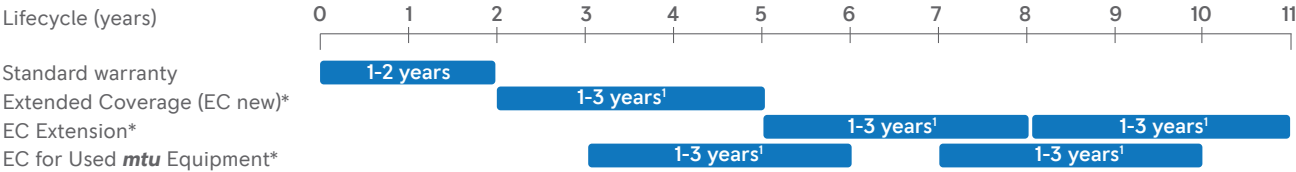


Peace of mind against corrective
maintenance costs.



Warranty scope and options Extended Coverage (EC)

Agreement start and duration



* See your EC Terms & Conditions for details

Costs covered²

In case of corrective claim: material, labor, travel costs (optional)

Covered equipment

mtu engine, gearbox, automation system (only if **mtu** scope of supply)

Place of Performance

Authorized **mtu** service partners worldwide

Deductible

EUR 500 per repair visit and propulsion line

¹ Maximum validity period limited by extended warranty end date / max. operating hours, whatever occurs first

² Exclusions: e.g. Removal & reinstallation of engine, gearbox etc. and all preventive maintenance



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