

Yacht

Modular hybrid drive solutions.



Power. Passion. Partnership.



Engines off. Life on.

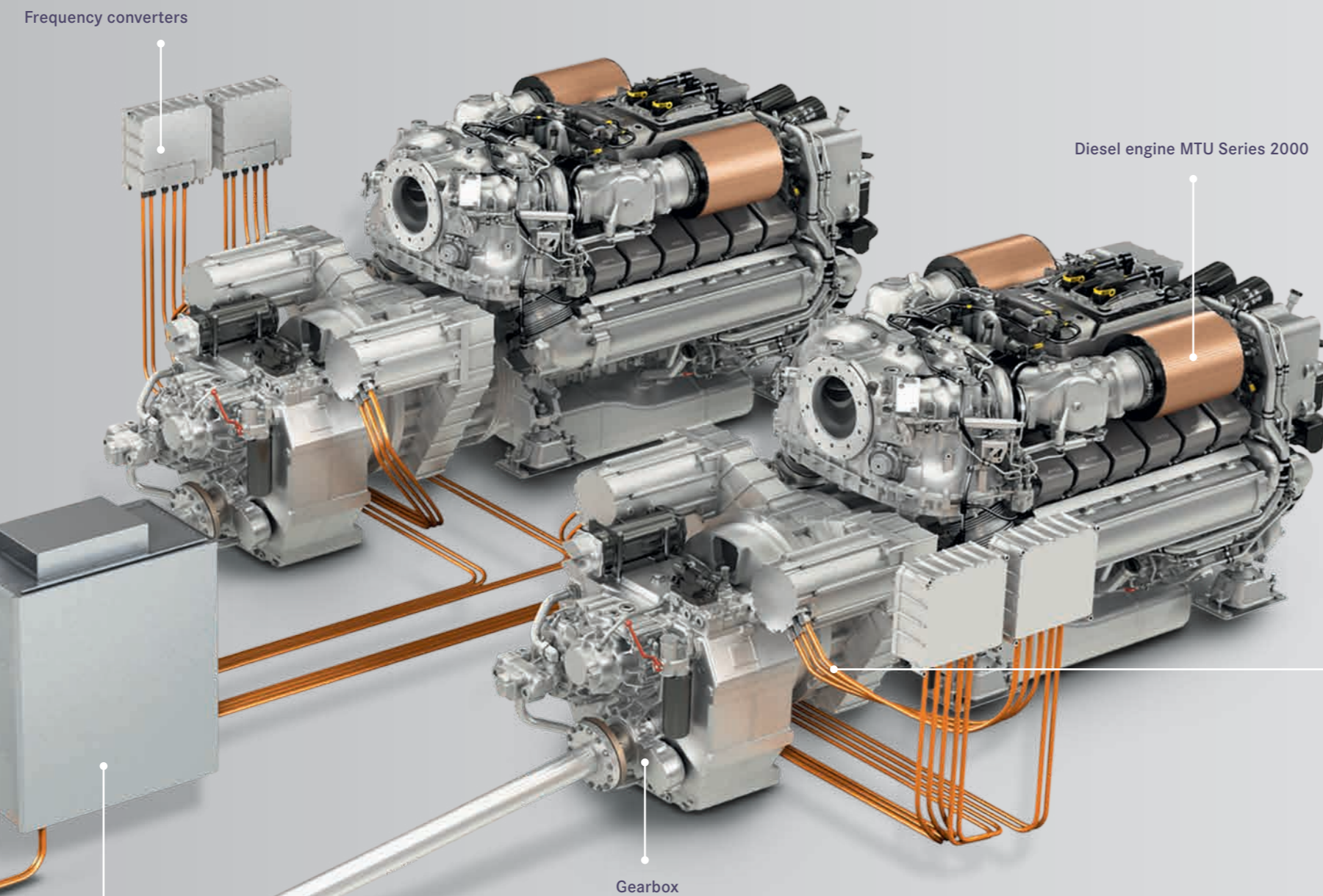
Make the most of your yachting experience with the MTU hybrid drive. Not only does it reduce on-board noise levels, emissions and vibrations, it also improves efficiency, dynamics and comfort. Take your leisure to the next level.



Hybrid innovation for maximum comfort.

Drop anchor and turn off the engines. The smart MTU hybrid system takes care of all your onboard power needs – without noise, vibrations or emissions.

- // Electric propulsion – silent but highly efficient
- // Exhaust emission-free anchoring – no smell, no smoke, no noise
- // Emission-free maneuvering, for example, in harbour area
- // Environmentally friendly system solution



System energy storage
MTU EnergyPack

Energy distribution

Intelligent drive for intuitive handling.

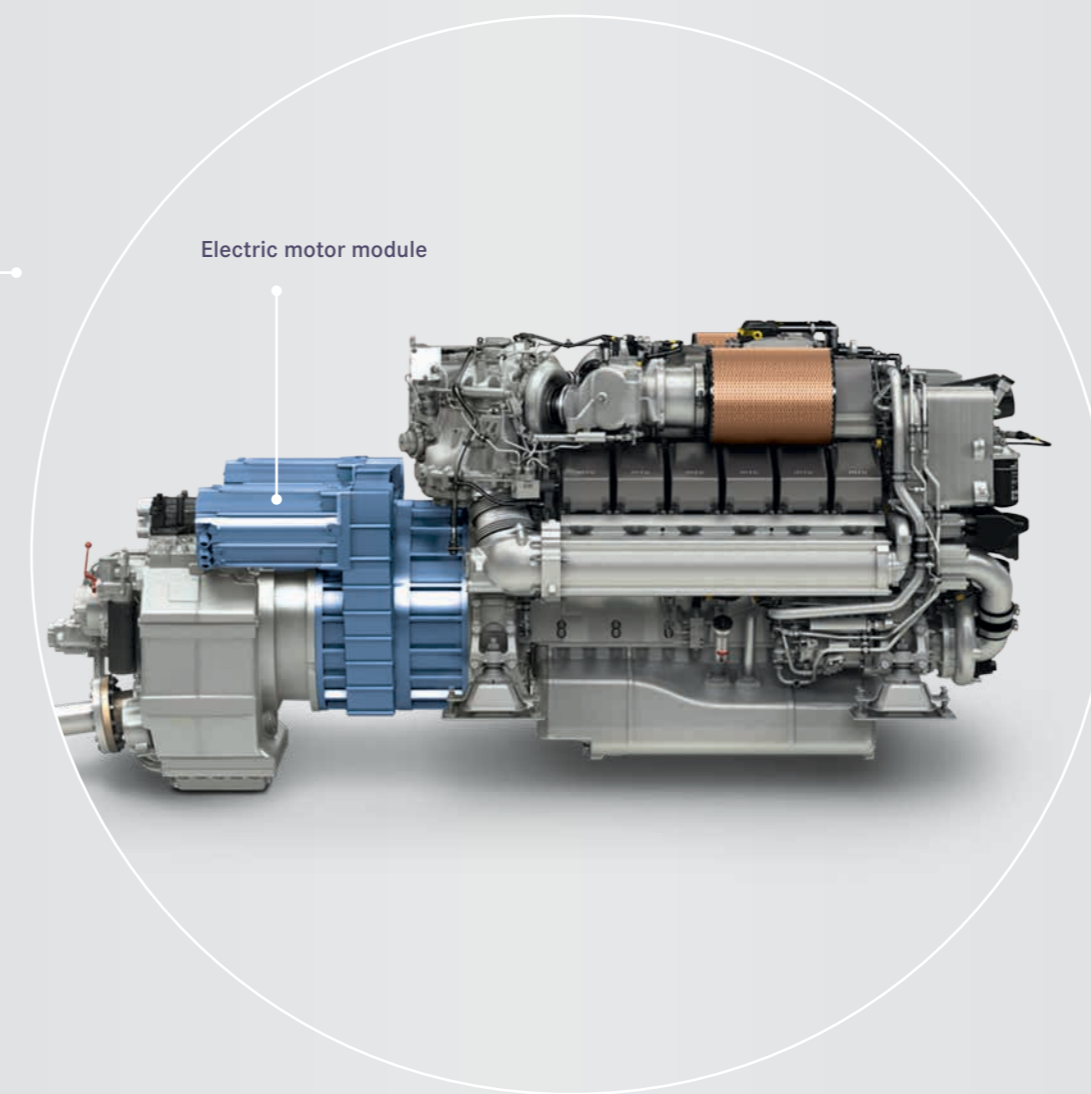
The combination of diesel and electric propulsion provides the highest flexibility with increased efficiency during maneuvers and transit operations. The intuitive handling and low fuel consumption make the hybrid system a clever investment.

- // Diesel engine power range: up to 4300 kW (5766 bhp)
- // Additional electric power range: 150–600 kW
- // Fully integrated, easy-to-operate smart management system
- // Perfectly matched BlueVision I NewGeneration Hybrid standard automation system
- // Low lifecycle costs due to long lifetime design and maintenance-free use

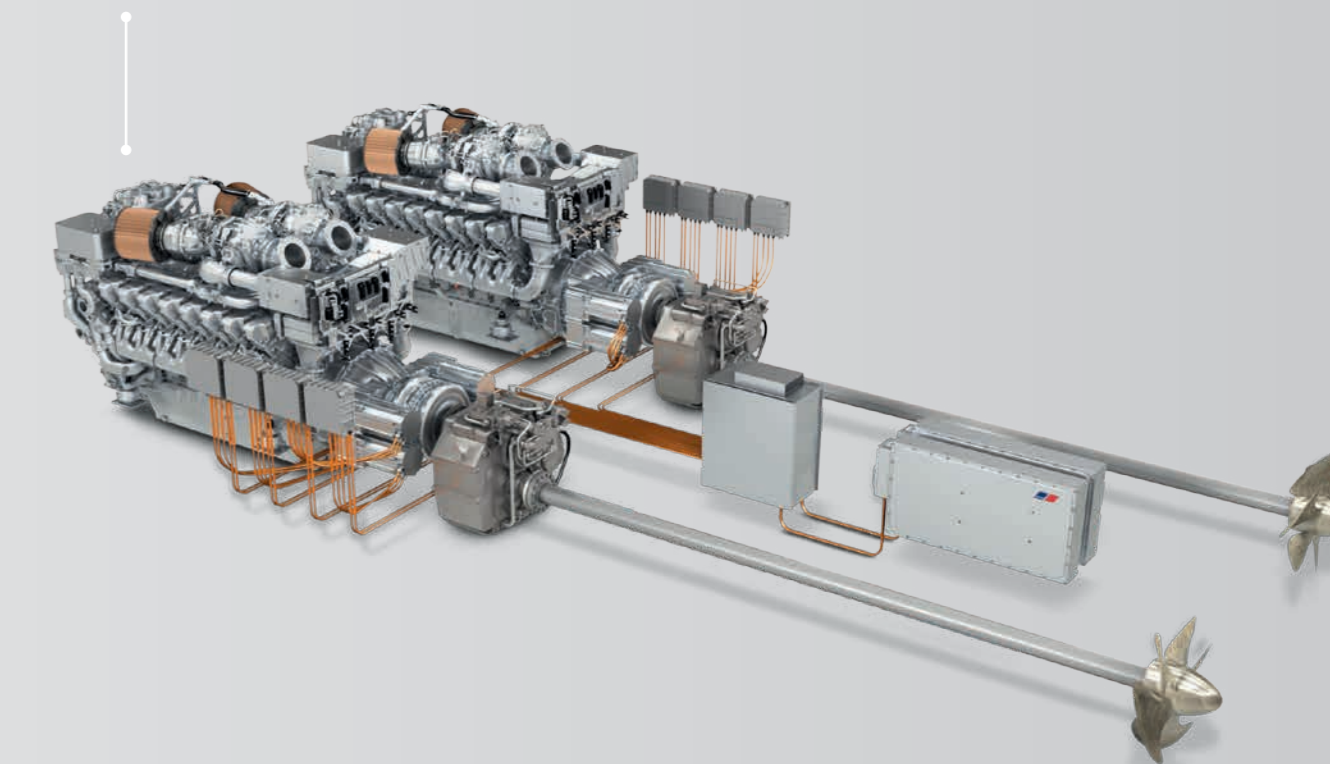
Compact system for outstanding performance.

The high-torque performance of the proven Series 2000 and Series 4000 diesel engines is enhanced by the small electric motors adding up to 600 kW (150 kW each). This unique MTU feature ensures maximum performance and agility.

- // Compact electric motors for optimized system design
- // Agile propulsion reaction better than conventional propulsion systems
- // Exceptionally rugged design for optimum durability through entire lifecycle



Hybrid system with MTU Series 4000



Standardized modules for individual needs.

Each hybrid system provides maximum flexibility and can be individually configured to meet customer requirements. The components for onboard power and propulsion are standardized, modular and scalable.

Hybrid drive combinations at a glance

Engine series	E-Motors per shaft	E-Motors per boat	Energy storage per boat
2000	150–300 kW	300–600 kW	12 x 30 kWh (2 x 6 units)
4000	150–600 kW	300–1200 kW	

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