

# Marex OS III For a Safe Journey



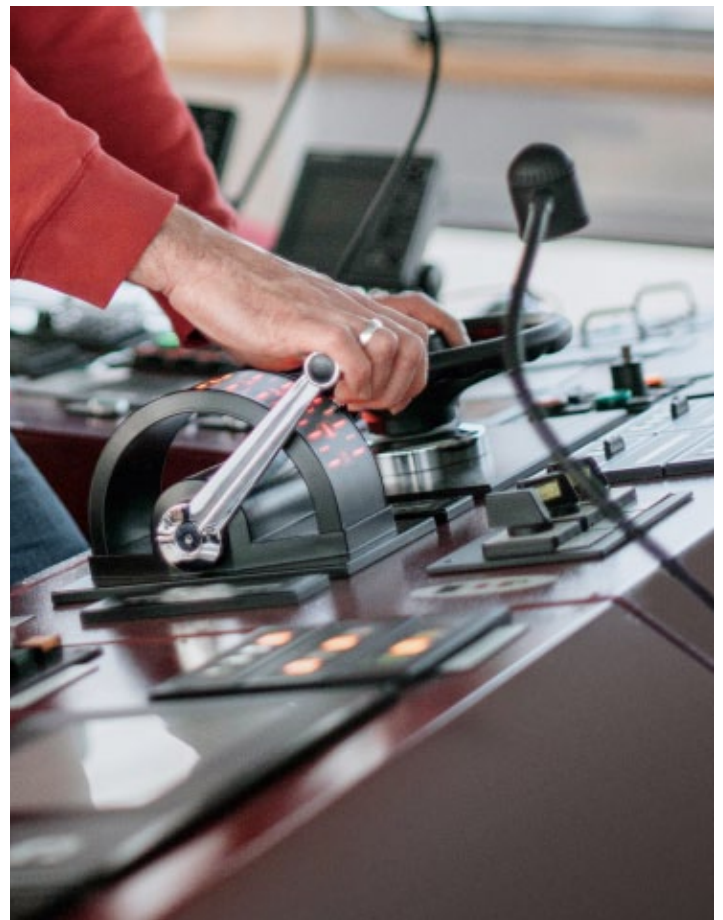
# Ship control – let your ideas run free

Rexroth control systems can be found on all type of ships around the world. Work vessels with classification, passenger liners, coastal cargo ships and even yachts rely on engineering expertise Made in Germany.

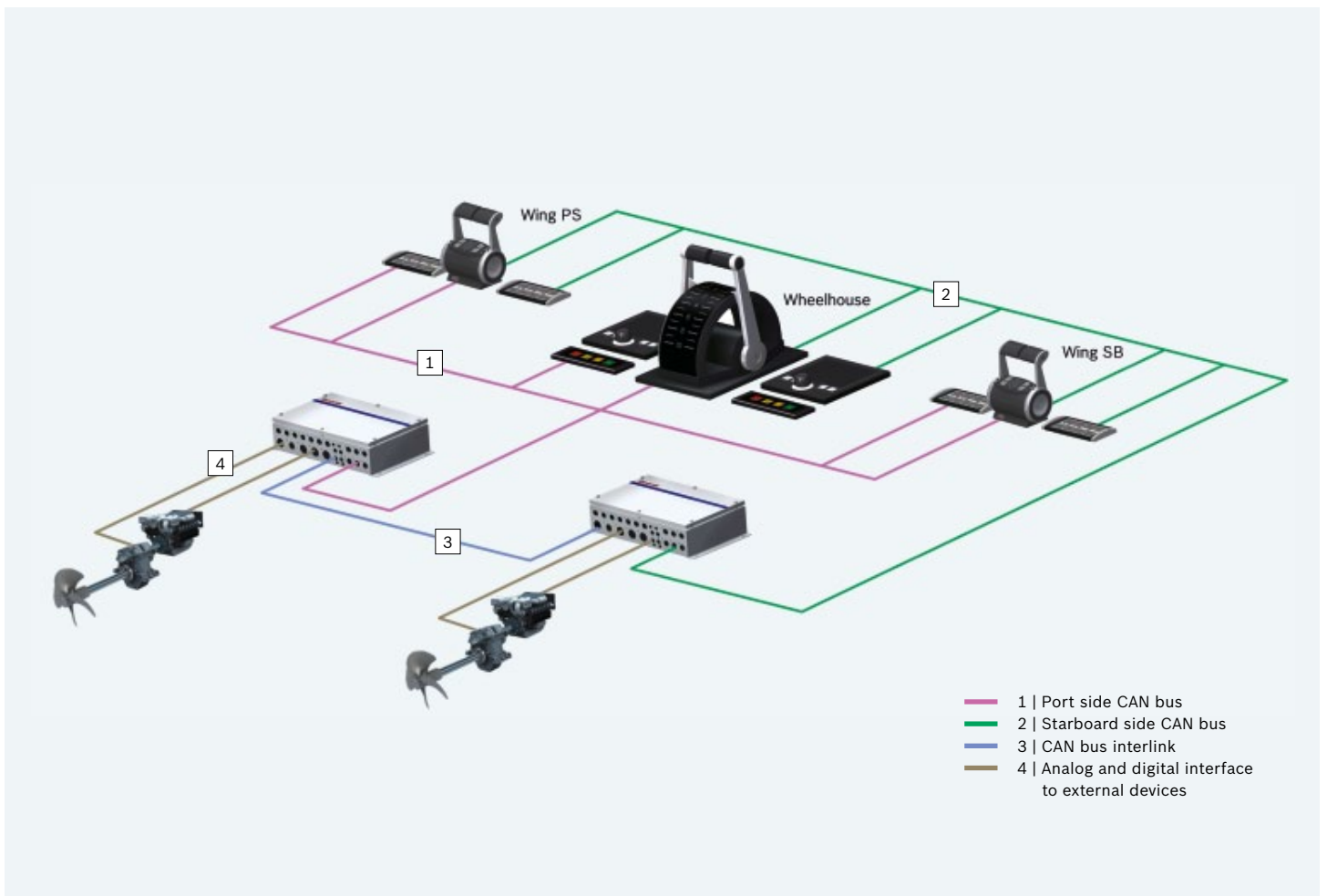
Regardless of which propulsion concept is required – the reversing gear system, the controllable pitch propeller system, or even new drive concepts such as hybrid systems are using our most proven product: the Marex OS III.

## Advantages

- ✓ Easy installation thanks to pre-assembly
- ✓ System reliability thanks to one self-monitoring CAN bus per drive train
- ✓ Bridge components can also be used in the outside area
- ✓ Approval of drawing and FAT upon request











## Marex OS III – System



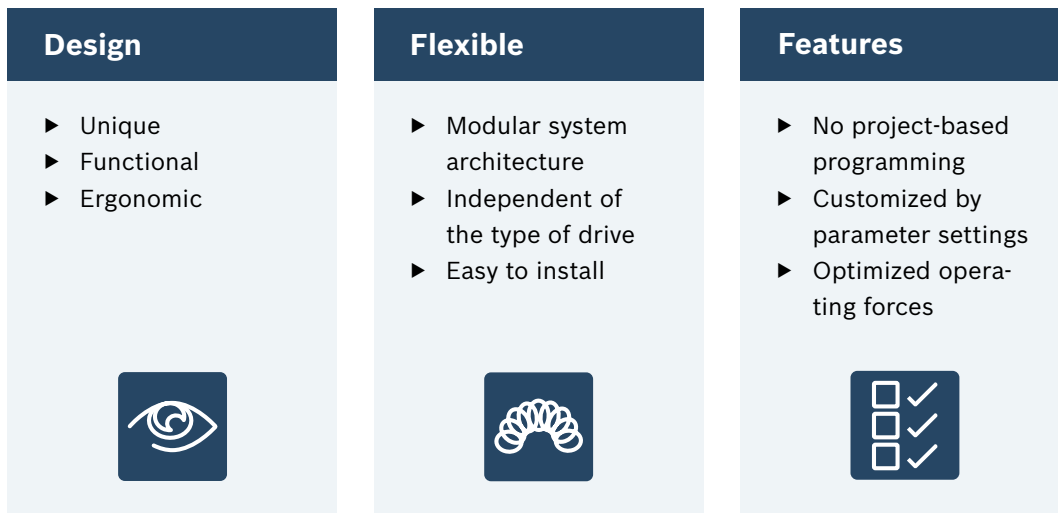
## Integrated Functions

- ▶ Engine control, speed curves and engine stall protection
- ▶ Gear operation, reversing maneuver curves
- ▶ Control of PTO and PTI, Trolling and Slip & Grip
- ▶ Multi-engine systems
- ▶ Calculated ship speed
- ▶ Shaft brake control
- ▶ Internal software PLC to add special functions
- ▶ Standard interface for DP system, Autopilot and VDR

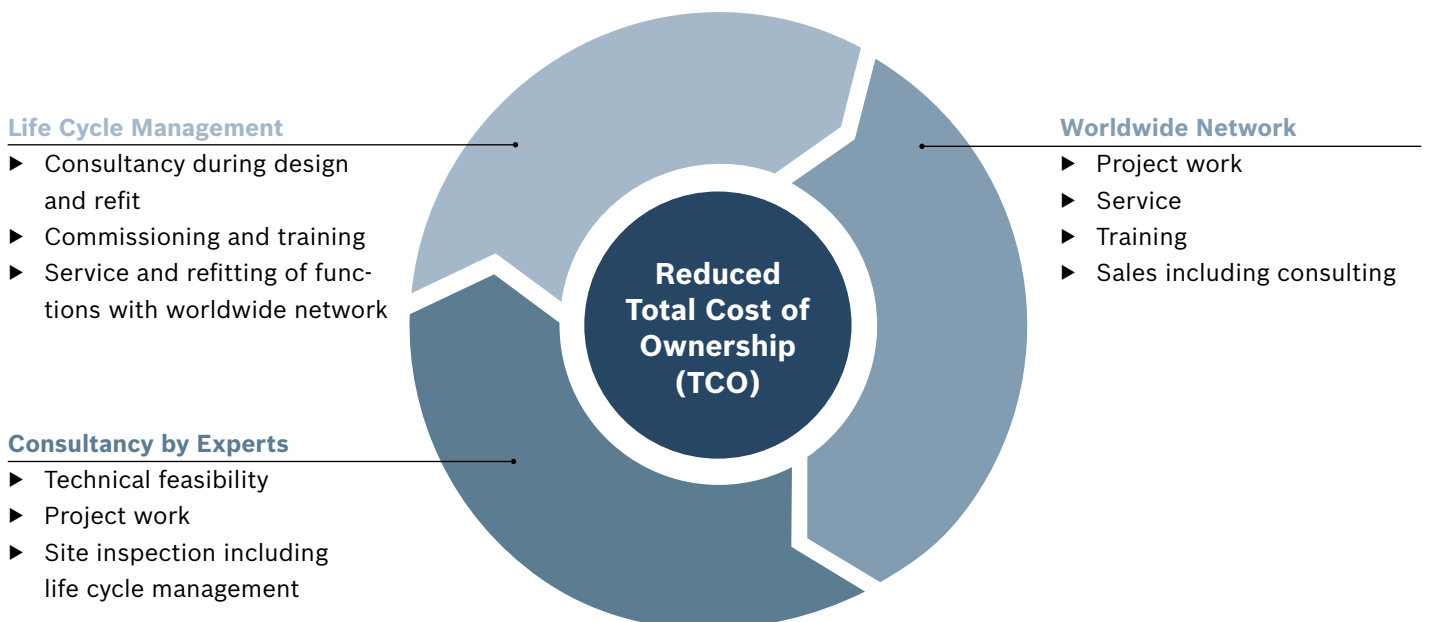
## Marex OS III – Components

Series	Features	Pictures
Control heads	Illuminated scale, electric shaft, various designs, different propulsion plants, integrated keypad, triple-engine version available	
5.7" display	Freely configurable, 4 illuminated push buttons, digital 4-axis jog dial, readable in the sunlight, ergonomic design, 2 propulsion plants in one display	
Operating and indication modules	Indication of remote control data and data input	
Marine propulsion controllers	Single hardware component for different types of propulsion systems, preconfigured functions, software PLC function, error log with real-time stamp, integrated keypad and display	
Extension modules	VDR interface, NMEA interface, pitch controller for CPP	
Accessories	Prefabricated connecting cables and terminal blocks	
Actuators and valves	Electrical components for mechanical or pneumatic control of variables such as gear shifting, speed, or pitch setting	
Service tool	Laptop-based parameter transfer and optimization, transfer of parameters between ships within the same production line	

## Marex OS III – Key Features and Advantages



## Marex OS III – Benefits



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