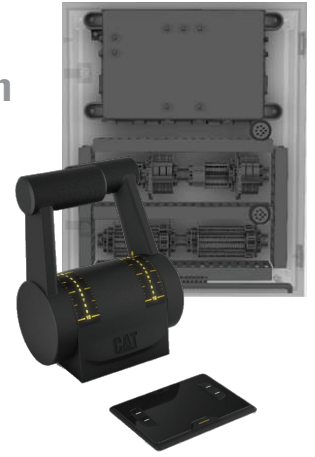


MPC300

Marine Propulsion Control System

The Cat® MPC300 is the new Propulsion Control Systems designed specifically for commercial vessels, super yachts, and governmental applications.

As a captain, you can count on receiving reliable control even in harsh marine environments. That's because Cat® MPC300's main strength lies in its innovative redundancy design, seamlessly integrating backup components for all critical system sections. This makes it the ideal control system for single- and twin-screw propulsion applications. If a system fails, the redundancy system allows the captain to operate both power trains and safely navigate the vessel back to port.



Product Characteristics

System Design Features

Maximizes Uptime and Ensures Reliability:

- Provides hot standby for innovative redundant design of power supply, control processor and communication channels
- Suitable for commercial and safety-critical applications

Maintains Adaptability and Integrability:

- Offers programmable auxiliary I/Os, NMEA 2K and Modbus RTU for ease of integration
- Integrates with Modern Bridge Designs
- Facilitates single- and twin-screw propulsion applications
- Shaft brake control and shaft speed sensor (optional)
- Enables up to 8 remote command stations
- Supports all electronically controlled Cat® Marine Propulsion Engines

Ensures the Quality and Reliability:

- Type approvals by all Major MCS
- Offering S/N unit approval

Type approved by Marine Class Societies

- Bureau Veritas
- ABS Quality Evaluations, Inc
- American Bureau of Shipping
- Croatian Register of Shipping



Advanced Command Lever Features:

- Motorized Lever supports follow-up (FU) control that facilitates quick, safe and smooth command transfer
- Individual drag and detente customized settings.
- Small rectangular footprint helps save space on limited bridge consoles.
- Backlight illuminated display for safe operation at night.
- Ergonomic design provides a comfortable grip

MPC300 Main Components



MML100 - Advanced Lever

- Built in redundant sensor packages
- Motorized lever supporting follow-up control
- Allows for tailor-made customization



MCL100 - Integrated Marine Control Lever Head

- Small footprint offers an integrated mode selector
- Built-in display using dynamic user interface enhancing user experience
- General alarm status indicators in the lever head



MCD100 - Marine Control Display

- Multi-purpose control device with integrated backup control unit used for the palm beach lever head integration point and the interface to the advanced lever head



MPC300- Marine Control Processor

- Redundant control processor unit for controlling single- or twin-power train configurations, including engine transmissions and trolling valves
- Configurable interface for integration into vessel's ecosystem



MCP300 - Integration Cabinet

- Main control processor enclosed in marine cabinet
- Designed to be integrated with (LECP II/III, MECP II/III)
- Allows for tailor-made customization



CMD - Cat Marine Displays

- CMD5, CMD8, and CMD13 with easy access to operating data and alarm notification for engine and power train control systems

Harnessing

- Standardized control and engine room harnessing available in various lengths

Key Features and Benefits



Implemented **system redundancy** measures to effectively reduce system downtime and improve its reliability.



A unique built-in feature set provides an exceptional solution for seamlessly **integrating** into the vessel's ecosystem.



The system's impressive **flexibility** in accommodating a wide range of configurations is greatly enhanced by its capability to adapt.

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