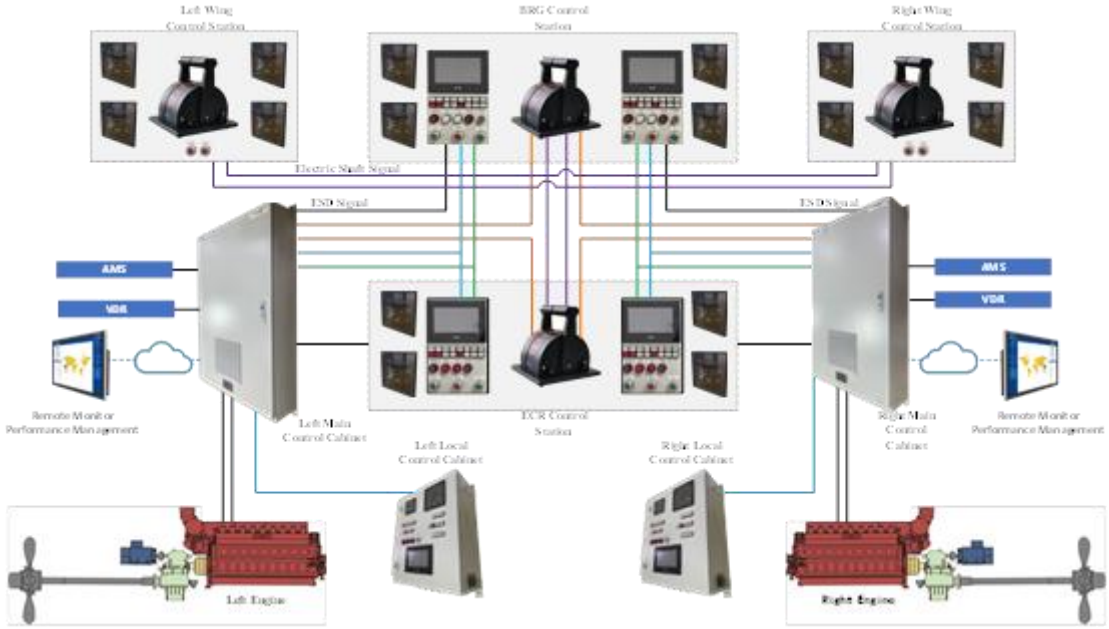
Remote control system for Marine propulsion

Product introduction

CMC-IAMCS-E01 Marine propulsion remote control system is an electronic remote control system of Marine propulsion based on PLC technology. It can automatically control the propeller pitch and the speed of the main engine in closed loop and open loop, and has emergency control functions. When necessary, a security system can be selected to protect the main engine.



Product composition

- The system mainly consists of two parts: EPS and RCS. EPS and RCS can operate completely independently;
- Through different hardware configurations and software programs, the system is suitable for different vessels, different types and different quantities of propulsion;
- The system has BRG control, BRG wings control, ECR control, LOCAL control, and so on. One operation mode with only one position at the same time is effective;
- It is easy to use and simple to operate the touch screen to display the current status and alarm signals. It can also complete parameter setting and modification through the touch screen;
- Optional or support the connection of common Marine speed sensor, speed meter etc.
- Different types of control handles for marine propulsion are optional or supported: single link, double link, electric shaft and non-electric shaft handles to suit different needs.

Product function

- Propulsion speed control;

- Propulsion reversing;
- Propulsion start/stop;
- Propulsion override;
- Propulsion emergency stop;
- Multiple control modes;
- Control position change over;
- Control handle electric shaft function;
- Propulsion automatic slowdown and alarm;
- Propulsion automatic shutdown and alarm(optional);
- Monitor and alarm propulsion status;
- Monitor the operating and communication status of the device;
- Alarm record and log;
- Communicate with the VDR, the engine control system and the AMS;
- The system can be monitored and managed remotely.

Performance

Mechanical	Size	Support customization;
	Voltage	220VAC(50HZ/60HZ),24VDC;
	Power	≤480W;
	IP	IP43（Indoor）,IP56(Outdoor);
Environment	Operating temperature	0℃-55℃;
	Relative humidity	10%~90%, No condensation;
Interface	Interface	RS485,RS232,Ethernet,Fibre-optical;
	Communication protocol	Modbus RTU, Modbus TCP, Support customization;
	Number of interfaces	2（Default）,Support customization;

Applications

ALL kinds of ships and offshore installations.