



AC500 Automation Systems

Modernization solutions for small automation systems on ships

One economic automation concept

Latest technology, structure and flexibility

Equipped for the future

As replacement for several older types of small automation systems supplied by ABB Automation in the marine industry, as well as for new projects, ABB has designed new automation solutions based on the latest ABB AC500 controller, the latest components and the latest operator interfaces.

AC500 automation systems support main applications such as:

- Safety systems
- Alarm, monitoring and control systems
- Extended alarm systems
- Operator interfaces

Economic advantages

- New solutions integrate existing cable and sensor systems to enable gradual life cycle replacements
- Small dimensions of the new AC500 controller series oft eliminate a need for extra space in existing installations
- New software applications provide the same functionality of old systems with available extension possibilities
- AC500 solutions are standardized for easy engineering and configuration

Capitalize on ABB technology

- Technology for the future
- Flexible and scalable
- High availability
- Easy to use
- Easy implementation
- Integration into existing networks
- Central or decentralized capture of signals/measurements
- Standardized field bus interfaces like CANopen, Ethernet, PROFIBUS-DP, Modbus, DeviceNet, etc
- Data exchange with other systems, OPC, DDE
- Marine classification certificates

Full Service and support

In line with your requirements and needs ABB offers you flexible support:

- Customized modernization solutions
- Cost-effective certification plans (FAT) for your classification society
- Installation and commissioning support
- Life cycle spare parts and replacements
- Customized training on new systems



Our new modernization solutions

Small automation for all requirements



To standardize different functional requirements and to simplify the modernization process of numerous older systems, ABB has integrated the following solutions in the AC500 automation system.

SS 500

Safety system for diesel engines incl. monitoring and control
– For replacement of SAF 94, ALMOCO, RC94

AMCS 500

Alarm system incl. monitoring and control functions
– For replacement of COMPAL, RC94, EXH 94

AMCS 500 SS

Alarm, monitoring, control and safety system
– For replacement of ALMOCO

EAS 500

Extension alarm system with alarm-group and alarm-list management
– For replacement of EAS-95, -98, -2000

OP 500

Operating panels for alarm management, monitoring and control
– For replacement of alarm panels, OP16/32

OS 500

Operator stations for data and alarm management, monitoring and control
– For replacement of operator stations

Contact us

ABB Automation GmbH

Marine Service

Am Neuländer Gewerbepark 8

21079 Hamburg, Germany

Tel: +49 40 30306 565

Fax: +49 40 30306 575

marine.deabb@de.abb.com

www.abb.com/marine