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 often 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
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