

Marine Systems and Services

Based on leading-edge technology and in-depth application competence, ABB Marine offers systems and integrated solutions adaptable to all types of vessels and customer requirements.



www.abb.com/marine

**Center of Excellence
Oil & Gas Related Vessels:**

ABB AS
Marine and Turbocharging
P.O. Box 94
N-1375 Billingstad
Norway
Phone: +47 03 500
Fax: +47 22 87 47 80

**Center of Excellence
Cruise & Ferries:**

ABB Oy
Marine
P.O. Box 185
FIN-00381 Helsinki
Finland
Phone: +358 10 2211
Fax: +358 10 222 2350

© ABB - 3BNP100004D0004, Rev. C - 08.06

Sundheim-Marlson 8-2006





The foundation for our system solutions is broad maritime engineering expertise combined with the world-leading ABB product platform within electric power, drives and automation technology.

All products are developed for demanding offshore and maritime applications. A high degree of standardization means cost-effective and highly reliable solutions.

State-of-the-art electric power systems

High-performance electric propulsion solutions



Power Generation & Distribution Systems

A complete range of medium and low voltage products and systems:

- Generators
- Distribution switchboards
- Power control, monitoring and protection systems
- Motor control centers
- Transformers
- UPS



El. Propulsion & Drive Systems

AC and DC electric motors and drives designed for demanding offshore and marine duty:

- All types of onboard electric drive systems
- Variable speed AC propulsion drives
- New generation low voltage drives, up to 5600 kW
- Medium voltage drives, exceeding 30 MW



Drilling Drive Systems

A complete range of AC and DC offshore drilling drive systems:

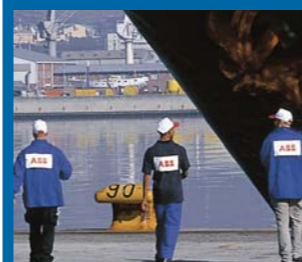
- Common ABB integrated control platform for both AC and DC drives system
- New generation low voltage drives, air-cooled and ultra-compact water-cooled
- Full range of AC drilling motors:
 - HXR type surface-cooled, up to 1100 hp continuous
 - AMA type (GE foot print), up to 1270 hp continuous



Marine Services

Global network of Marine Services Centers in 15 countries.

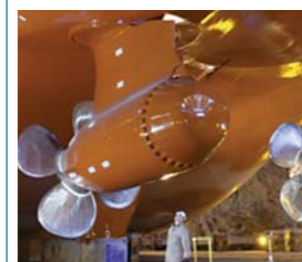
- 24/7 Hotlines
 - on-call service
 - technical support
- Maintenance
 - frame and service agreements
 - Electronic Maintenance Support Tool (eMST)
- Training through Marine Academy
 - standard, custom or safety courses
 - onboard training
- Spare parts
- Dry-docking
- Modernization



Azipod® Propulsion

The industry leading azimuthing podded propulsion system:

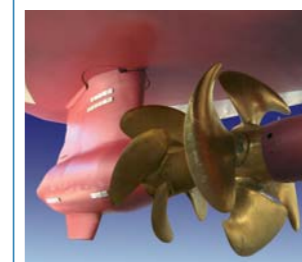
- Covering the full 5 to 28 MW power range
- Single and twin configurations
- Major benefits in:
 - Maneuverability and hydrodynamics
 - Space and weight savings
 - Low noise and vibration
- Adaptable to a wide range of vessel types



CRP Azipod® Propulsion

A unique contra-rotating propulsion solution for high-power, high-speed vessels:

- Superior propulsion efficiency - up to 15% efficiency gain compared to any other propulsion solution
- Redundancy and safety through two independent propulsion systems
- Combines with most types of main propulsion



Total Solutions

ABB has extensive knowledge and experience in supplying total vessel specific solutions which may include:

- Complete electric power systems
- Electric propulsion systems
- Integrated vessel control systems
- Project Services:
 - Conceptual Design
 - Project Management
 - Engineering
 - Fabrication
 - Installation
 - Commissioning

