

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 6540 Rodeløkka
N-0501 Oslo
Norway
Phone: +47 22 87 20 00
Fax: +47 22 35 36 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

Sundheim-Madsen E-2004

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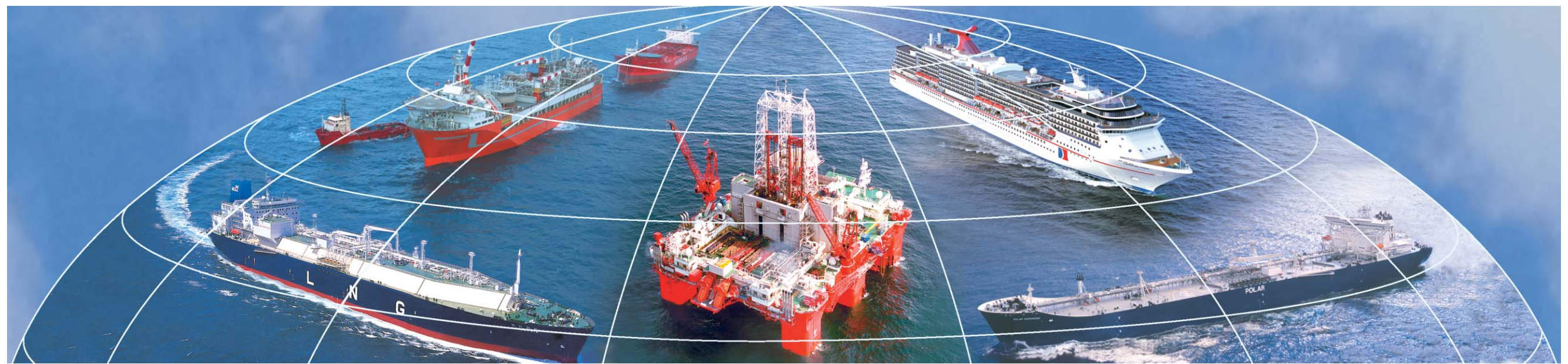


The foundation for our system solutions is broad maritime engineering expertise combined with ABB's world-leading product platform within electric power, drives and automation technology.

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 System

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



EI. 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
- Low voltage drives, up to 5200 kVA
- Medium voltage drives, exceeding 30 MW



Drilling Drive Systems

A complete range of offshore drilling drive systems:

- AC and DC drilling drive systems
- Common ABB Multidrive platform for both AC and DC drives
- Combined AC and DC drilling drive systems sharing one common switchboard



Life-cycle Services

■ Project Services:

- Conceptual Design
- Project Management
- Engineering
- Fabrication
- Installation
- Commissioning

■ Customer Support:

- Preventive Maintenance
- Planned Repair and Dry Docking
- On-call Services
- Spare Parts
- Modernization
- Training, Consulting & Monitoring



Azipod® and CRP Azipod® Propulsion

Industry leading azimuthing podded propulsion systems adaptable to a wide range of vessels:

- Azipod® propulsion systems, exceeding 30 MW
- CRP Azipod® – unique propulsion system with a steerable Azipod® unit installed in a contra-rotating mode aft of a mechanical driven main propeller



Compact Azipod® Propulsion

A standardized, modular and cost-effective podded propulsion system for smaller vessels:

- Six unit sizes from 0.5 MW to 4.0 MW
- Two models; propulsion and thruster versions
- Fixed pitch propeller, speed controlled by water cooled drives



Total Solutions

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

- Power and Propulsion - total electric power plants and propulsion systems
- Marine Ventilation - complete HVAC design and equipment supply, including control systems
- Automation - integrated vessel control and monitoring systems

