

the power to control

bachmann.

Your technology. IMO-ready.

We provide the certified building blocks –
you build the ship.



Building Tomorrow's Ships with Confidence

Helping shipbuilders, OEMs and system integrators meet international maritime requirements – without compromising flexibility.

The maritime industry is evolving rapidly. Stricter IMO regulations, increasing cybersecurity requirements and evolving classification standards are transforming how vessels are designed, integrated and operated.

Bachmann provides the certified automation building blocks that help shipbuilders, OEMs and system integrators develop IMO-ready vessels with greater confidence. Rather than delivering closed systems, we provide open, modular and certified technology that reduces compliance risk, simplifies integration and accelerates time to class approval – while you retain full ownership of your system architecture and engineering expertise.

You build the system.

We provide the certified technology foundation.

CERTIFIED FOR INTERNATIONAL MARITIME REQUIREMENTS

Bachmann solutions support compliance with IMO regulations and leading classification society requirements. Certified technologies help reduce compliance risk, simplify class approval and accelerate time to approval.



ClassNK



RINA



YOU WILL FIND MORE INFORMATION ON

bachmann.info



CONTACT

Ronald Epskamp
Manager Business Unit
Maritime

T: +43 5522 3497-0
info@bachmann.info





BUILT FOR IMO-READY MARITIME AUTOMATION

Why leading maritime technology partners choose Bachmann

You keep the helm

Open, vendor-neutral technology that protects your engineering expertise and avoids vendor lock-in.

One platform. Fewer interfaces.

Integrate PMS, EMS, AMS and CMS on one scalable automation platform to reduce engineering effort and commissioning time.

Built for mission-critical operations

Native controller, network and hot-standby redundancy combined with layered cybersecurity according to IACS UR E27.

Ready for green & autonomous shipping

Designed to support hybrid energy systems, Maritime 4.0 applications and future autonomous vessel concepts.

Technology for the Future of Shipping:

OpenBridge

Bachmann Panel PC with OpenBridge interface for a standardized, intuitive bridge workspace – improving efficiency, safety, and ease of operation.



Autonomous Shipping

Building the backbone for safe and connected vessels.

- Redundant control architectures (Hot/Warm Standby)
- Cybersecurity according to IACS UR E27
- Maritime 4.0, IIoT & Digital Twin integration

Enables: Secure, reliable and IMO-ready autonomous vessel concepts.

Sustainable Shipping

Automation for efficient and low-emission vessels.

- PMS, EMS and marine microgrid control
- Hybrid, battery & shore power integration
- Energy monitoring and optimization

Enables: Improved efficiency and support for IMO decarbonization targets.

Standardization

Open technology for faster integration and approval.

- Vendor-neutral automation platform
- OpenBridge integration
- Templates, libraries and reference architectures

Enables: Reduced engineering effort and accelerated class approval.

Smart Maintenance

Maximizing vessel availability throughout the lifecycle.

- Condition Monitoring & remote diagnostics
- Shore support and data connectivity
- Digital Twin applications

Enables: Higher uptime and efficient lifecycle management.

Trusted by Global Maritime Leaders

Leading shipbuilders, system integrators and marine technology companies worldwide rely on Bachmann automation.



Canopée Sailing into the Future of Maritime

The Canopée transporter demonstrates how innovative ship concepts combine operational efficiency with reduced emissions. Bachmann automation supports reliable control and integration of advanced vessel systems, enabling sustainable maritime solutions aligned with future environmental requirements.



ULSTEIN A Foundation You Can Build On



ULSTEIN®

ULSTEIN selected Bachmann technology for its openness, flexibility and maritime certification. Based on the Bachmann control system, ULSTEIN created scalable automation solutions integrating different vessel functions while maintaining flexibility – supporting efficient engineering and IMO-ready ship concepts.



Wärtsilä SAM Electronics Together on Course



For advanced diesel-electric propulsion systems, reliability and availability are essential. Together with Wärtsilä SAM Electronics, Bachmann developed a redundant automation concept based on a powerful control system, providing a robust foundation for safety-critical vessel applications and future maritime system integration.



SCHOTTEL Always One Step Ahead of Machine Breakdowns



Unexpected downtime is a major challenge in maritime operations. SCHOTTEL uses Bachmann technology for condition monitoring solutions that detect failures early, helping operators improve availability, optimize maintenance planning and increase lifecycle performance.



REINTJES The Future Starts Now



Reliable propulsion systems are essential for modern shipping. REINTJES combines its expertise in marine gearboxes with Bachmann automation technology for condition monitoring and digital maintenance concepts. The solution supports early fault detection, higher availability and future-ready vessel operation.



bachmann.



Maritime Market Entry China EN | Subject to alterations without notice
AI cover photo | © 07/2026 by Bachmann electronic

www.bachmann.info



The future in view.
Follow us on LinkedIn:

go.bachmann.info/linkedin

