

Connecting the dots through cybersecure automation

See, Decide and Act to Optimize Operations and Performance



APERIO™



EMERSON™



An intelligent and cybersecure Marine Automation system

See, Decide and Act with confidence!

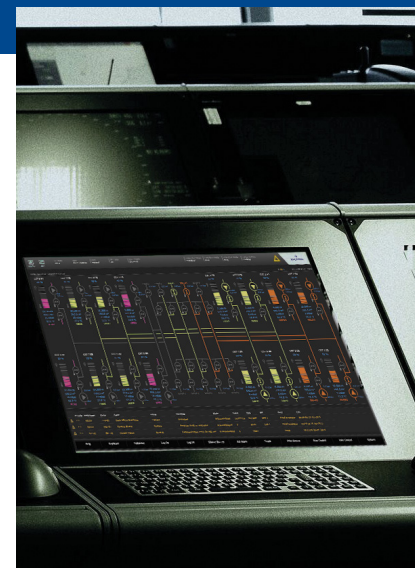
Aperio™ is a fully integrated control and monitoring system that centralizes automation across all onboard operations, enhancing safety, efficiency and reliability.

The Integrated Control and Monitoring System enables you to see, decide and act by seamlessly integrating all sub-systems into one flexible, secure and reliable automation platform. The system offers remote connectivity that connects the dots through E27 compliant cybersecurity to optimize vessel operations and performance. The result is an intelligent and cybersecure marine automation system that empowers crews to **see** clearly, **decide** quickly and **act** more effectively.

SEE
Gain total operational oversight with a flexible user interface giving fast access to information

DECIDE
Gain confidence to make faster, more informed decisions based on insights from advanced alarms

ACT
Ensure vessel operations and performance with responsive controls



SEE

The flexible user interface and full overview gives you visibility and fast access to information anywhere on the ship. The result is deeper insights from reliable and timely data, that gives your crew confidence in daily operations.

Improved visibility

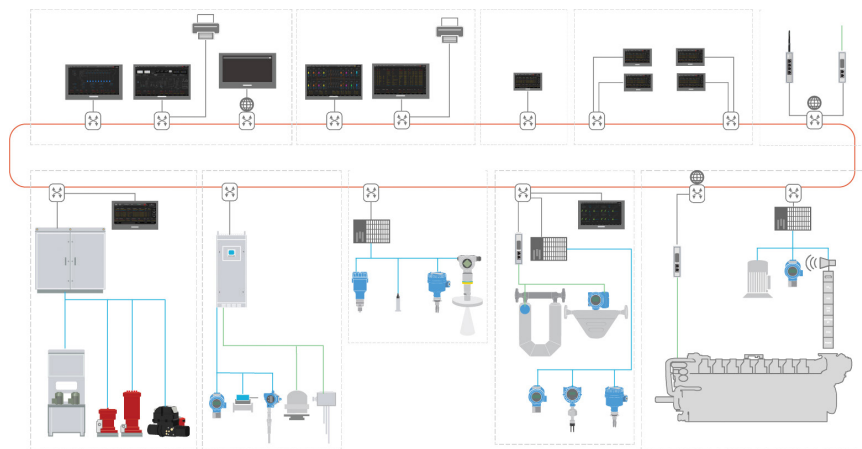
- Get a clear and easy overview – from specific equipment to total solution from one supplier, including tank, cargo, fuel and propulsion monitoring
- Dynamic coloring of pipelines, valves, pumps and tanks makes it easy to track product flow during cargo operations
- Self-diagnostic tools identify, diagnose and list abnormal situations
- Trend and performance monitoring ensures that all information is securely captured and displayed

DECIDE

The advanced alarm management system, drives decisions based on insights in any situation. You are empowered to detect and defer abnormal situations to enhance safety and optimize operations.

Enhanced safety

- A full alarm monitoring system in one integrated platform, with flexible distribution of alarm panels based on user profiles
- Integration of Dead-Man Alarm System
- Create safeguards and conditional warnings to avoid dangerous operations enhances operational reliability
- Advanced alarm filtering and distribution, enabling alarm indications at the right locations and in relevant situations to empower faster decisions
- Less risk with one single supplier to integrate across all product lines



The Aperio™ system connects the dots



ACT

Ensure vessel operations and performance with total oversight and remote assistance at your disposal. Emerson's +40 years of trusted Marine application expertise supports reliable performance and smarter operations.

Actionable insights

- Intelligent control of valves, pumps, engines and other service systems
- System guidance to take the right actions based on needed insight
- User-friendly and easy operation with logging control permission enabled
- Remote connectivity solutions with access to Emerson service specialists

Emerson cybersecure connectivity



In the modern maritime industry, cybersecurity is not just an option—it's a necessity. With the Aperio system, you are securely connected to systems on board and on shore, enabling you to be compliant.

Ensure the integrity and safety of your operations

Our solutions meet and even outperform the stringent UR-E27 standard, ensuring that your vessel's cybersecurity measures are top-notch. The result is that your ship is prepared against potential cybersecurity threats, maintaining the integrity and safety of your operations.

Our remote connectivity solutions are engineered to keep you updated and compliant, no matter where your operations take you.

With Emerson, you can trust that your systems are protected by state-of-the-art cybersecurity measures.

Expertise within Marine Solutions

Our expertise covers marine automation systems, valve remote control, cargo monitoring systems, fuel management and tank level gauging for all types of ships and offshore units. Our brands have served marine customers for more than 40 years and together represent the foremost thinking within marine automation.

What really sets us apart is our dedication to the marine sector and engineering excellence. This is reflected in all aspects of our offering, from design and production, through to application know-how and global after-sales support. When you partner with us, you can expect the best industry knowledge, global reach, financial stability and unsurpassed quality.

Visit www.emerson.com/marine

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