

ASW Wireless Automation

The Evolution of Smart Yacht Monitoring

Developed by Amare Group, ASW Wireless Automation is an advanced wireless monitoring and control system designed to reduce onboard cabling, simplify installation, and enhance yacht efficiency.

The latest generation introduces **rechargeable USB-C sensors and FYLO and BOXY** control panels, eliminating disposable batteries and reducing maintenance. Battery status is continuously monitored and automatically reported to the onboard PLC when charge levels fall below 30%, with real-time visibility on compatible displays and automation systems.

ASW enables the monitoring and control of hatches, portholes, temperature sensors, tank probes, lighting, blinds, and onboard automation through a secure wireless network.
Thanks to its distributed intelligence architecture, any control panel can operate functions anywhere on the yacht without additional cabling, offering greater design flexibility while reducing weight, installation time, and maintenance costs.

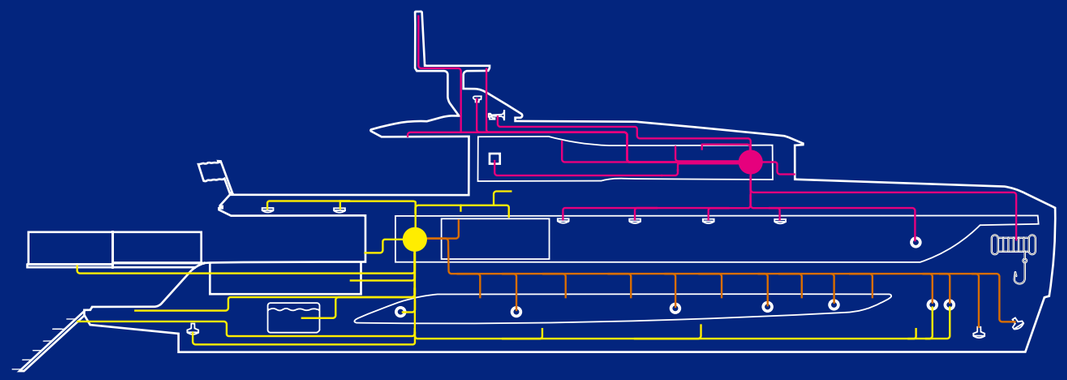
Perfect for both new builds and refit projects, ASW allows new monitoring and control functions to be added without invasive modifications to the vessel.

Key Benefits

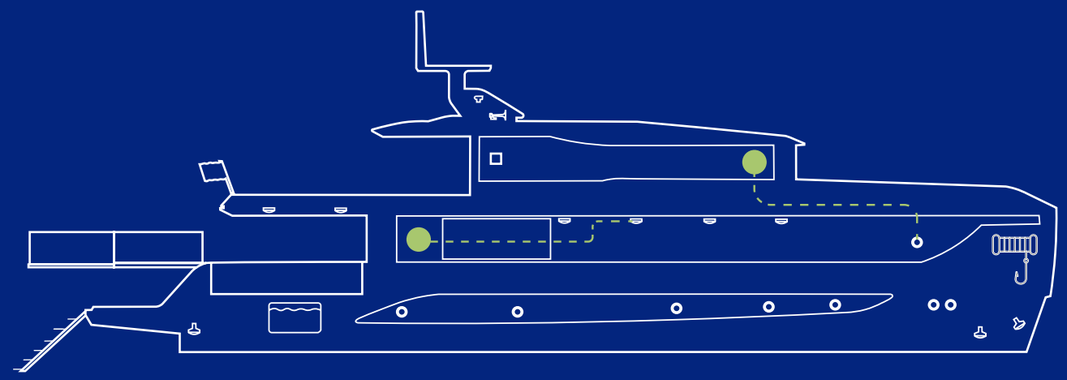
- Wireless monitoring and automation
- New USB-C rechargeable sensors and control panels
- Real-time battery status monitoring
- Reduced cabling and vessel weight
- Lower installation and maintenance costs
- Seamless integration with onboard systems
- Ideal for new builds and refits

Less Wiring. More Intelligence. More Freedom.

Smart Yacht Living



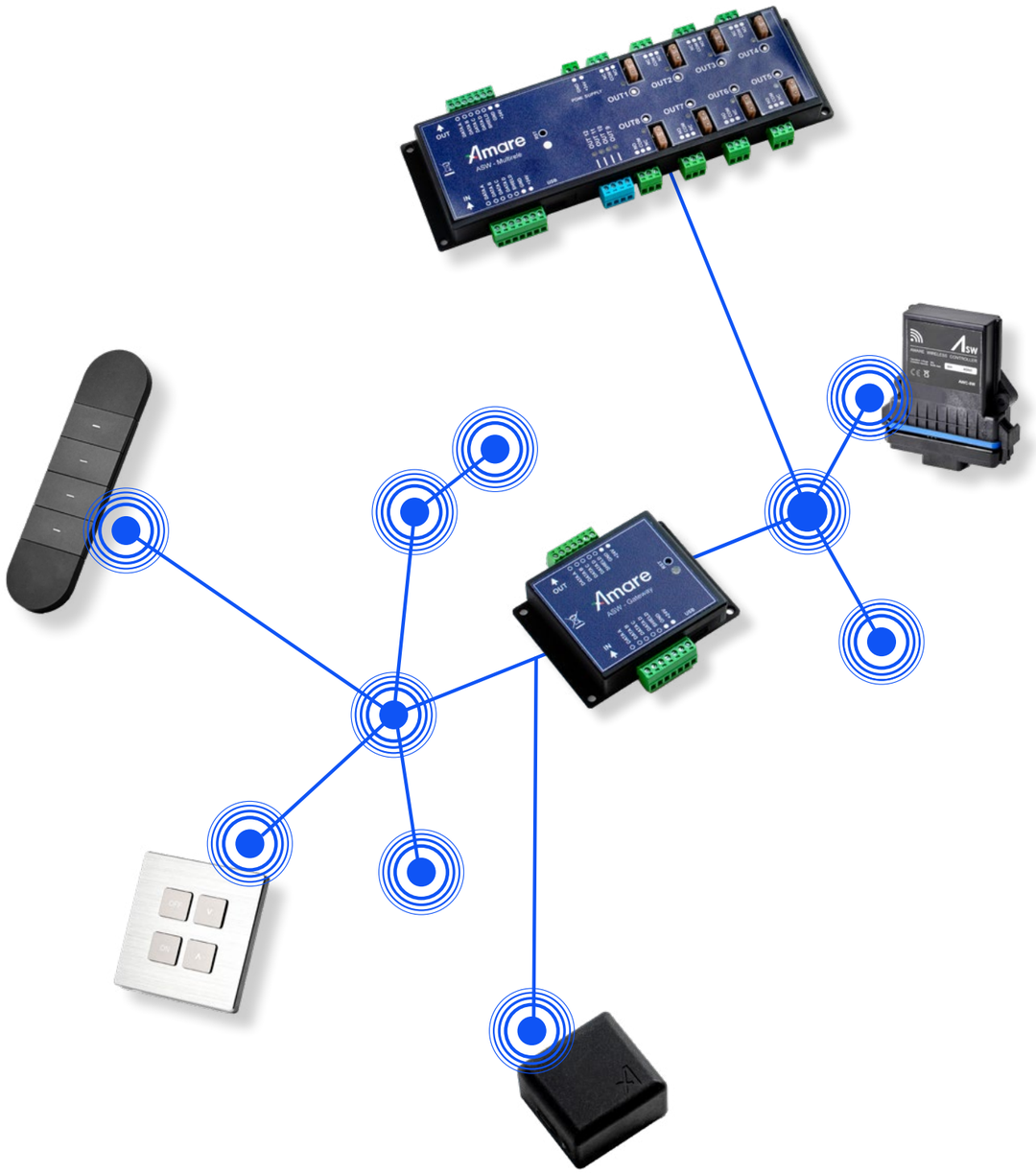
Traditional Yacht Harness



Sustainable Yacht Living

ASW Wireless Automation

Lightweight
Fewer Cables
Higher Efficiency
GREENER SOLUTION: 75% of material reduction



How it works

WHAT IS ASW WIRELESS AUTOMATION?

ASW Wireless Automation enables secure, real-time management of sensors, control panels, and other devices through a wireless network, eliminating the need for complex wiring.

HOW DOES IT WORK?

The ASW system operates on a wireless network formed by Gateways and Multirelé. Each additional component strengthens network performance, facilitating signal transmission and command execution.

Control & Command Execution

• Each button can function in two modes:

a. Direct Mode – Paired with one or more wireless relays via the dedicated application.

b. PLC Mode – Integrated with the onboard PLC, issuing commands to devices without requiring relays.

• The modular design allows for scalable expansion, enabling the addition of new devices at any time without onboard rewiring.

HOW IS ASW INTEGRATED TO ONBOARD SYSTEMS?

The onboard PLC connects to the network's Gateways via MODBUS for seamless integration with vessel control systems.

CAN I EASILY ADD MORE ASW SENSORS?

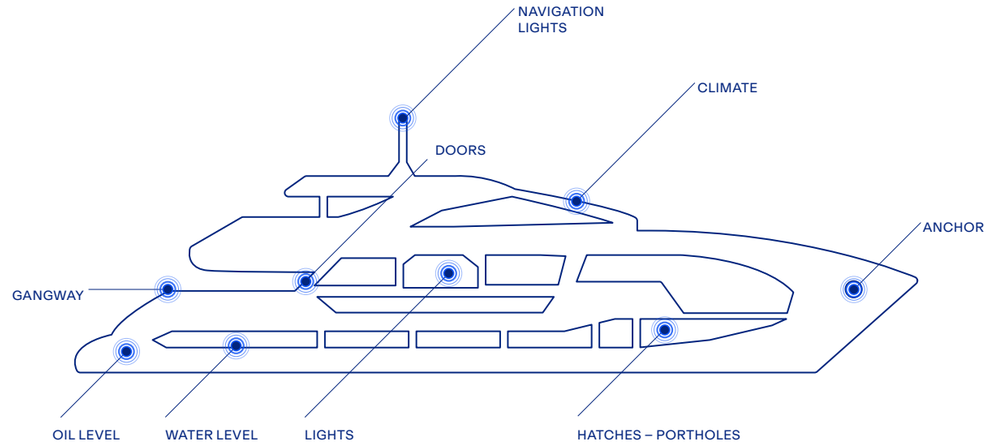
ASW devices automatically establish a self-configuring onboard network, ensuring full compatibility with other Amare ASW components installed on the vessel.

HOW DOES EACH SENSOR OPERATE?

Each input key can be programmed in four different configurations.

Advanced Monitoring Solution

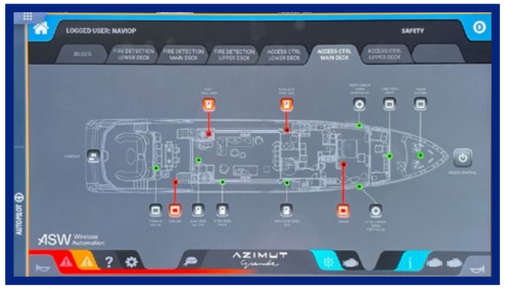




Supports single or multiple repeaters for virtually unlimited scalability and seamless wireless integration.

Powered by Distributed Intelligence, sensors analyze, share, and process real-time data before transmitting it directly to onboard displays.

The wireless architecture reduces cabling, lowering vessel weight, installation complexity, and maintenance costs.







DESIGNED TO PERFORM AND MAKE YOUR BOAT HI-TECH

ASW Wireless Automation Line

COMPREHENSIVE PRODUCT RANGE

Gateway



Sensor



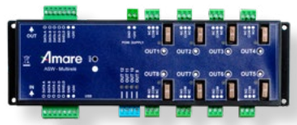
Ups



FYLO
Push Button



Multi Relè



BOXY
Push Button



Monitor
7" Monitor
14" Monitor



MAESTRO
Mobile App





MAINTENANCE

All equipment is developed for easy maintenance and care.

New wireless devices can be added at any time—even years after installation—without cabling or invasive modifications.
Warranty: Starts from the installation date.

Fewer cables.

Lower weight.

Greater installation flexibility.

Ideal for new builds and refits.

ASW Wireless Automation