



FIREBOY[®]
BY UNITED SAFETY

FIRE DETECTION & SUPPRESSION SYSTEMS FOR AUTONOMOUS VESSELS

**INTELLIGENT FIRE PROTECTION FOR UNMANNED &
REMOTE MARINE OPERATIONS**



OVERVIEW

Our solution delivers fully integrated fire detection and suppression via PLC control, HMI visualization, and Fireboy marine-certified technologies.

KEY FEATURES

- Fully integrated PLC & HMI control systems
- Seamless integration with vessel automation
- Designed for autonomous/unmanned vessels
- Redundant safety architecture

PRODUCT OVERVIEW

FIRE DETECTION & SUPPRESSION SYSTEMS FOR AUTONOMOUS VESSELS

ADVANCED DETECTION

- Multi-sensor detection (smoke, heat, flame)
- Zoned protection for precise location
- Instant alarms and remote alerts

SUPPRESSION – FIREBOY SYSTEMS

- Gaseous: clean agent, no residue
- Aerosol: compact, efficient
- Water mist: minimal water, high performance

INTELLIGENT CONTROL & AUTOMATION

- PLC-based suppression logic
- Automated shutdown (fuel, ventilation, engines)
- Custom cause & effect programming

REMOTE MONITORING

- Real-time HMI dashboards
- Remote fleet integration
- Event logging and diagnostics

COMPLIANCE & RELIABILITY

- IMO, SOLAS compliant
- Marine-grade durability
- Fail-safe redundant systems

MODULAR DESIGN

- Compact and scalable
- Suitable for retrofit and new build

APPLICATIONS

USVs, MASS, offshore, defense, survey vessels

