

CUSV[®] COMMON UNMANNED SURFACE VEHICLE



TEXTRON SYSTEMS' CUSV — MARITIME POWER MADE SAFER

Textron Systems' Fleet-Class Common Unmanned Surface Vehicle (CUSV) is the system of choice for the U.S. Department of Defense's first USV program of record. Whether in mine sweeping and neutralization role; intelligence, surveillance and reconnaissance (ISR); harbor security; monitoring or protection, our fourth-generation CUSV is a mature, multi-mission and multi-payload capable vehicle with significant in-water experience. Trust the proven CUSV to enhance maritime power, while keeping personnel out of harm's way.

[TextronSystems.com](https://www.textron.com)



TEXTRON Systems

► PUSHING PAST POSSIBLE

CUSV — LIGHT, FAST, STRONG AND PROVEN

Our fourth-generation CUSV offers design enhancements that make the vehicle even more effective for a variety of mission sets. Bringing together the expertise of Textron Systems' unmanned systems technology and proven manufacturing capabilities, the team has engineered and tested a CUSV with:

ENHANCED STABILITY AND PERFORMANCE

- > Deployable from ports, well decks and both Littoral Combat Ship (LCS) configurations
- > Improved propulsion systems for enhanced speed, range, stability and endurance
- > Optimized hull structure for reduced drag, improved stability and increased strength
- > Reduced roll and pitch movement

SUPERIOR MAINTAINABILITY AND RELIABILITY

- > Consolidated electronics/control system for reduced weight and complexity
- > Retractable antennas and camera/radar mast for improved storage and transportability
- > Built-in diagnostics and redundancy for exceptional availability

EXPANDED, MULTI-MISSION PAYLOAD BAY

- > Significantly expanded payload bay and weight-carrying capability
- > Multi-mission, reconfigurable payload capability with four tested packages (side-scan sonar, mine neutralization, ISR and nonlethal weapons)

The CUSV continues to feature the maritime version of our proven, common command-and-control system — a trusted system that has successfully supported unmanned aircraft during more than one million flight hours.

- > Demonstrated command-and-control capability
- > Compliant with NATO Standardization Agreement (STANAG) 4586
- > Compliant with Joint Architecture for Unmanned Systems (JAUS) protocol and LCS communication architecture
- > Compatible with SeaLancet® data link
- > Satellite communications capability

SPECIFICATIONS



LAUNCH

From ports, well decks and both Littoral Combat Ships



PAYLOAD

Modular, multi-payload flexibility



TOWING CAPACITY

4,000+ lb force at 20 knots



AUTONOMY

COLREG compliant, collision avoidance & mission-level behaviors



SURVIVABILITY

Up to Sea State 5 (13 ft/4 m waves)



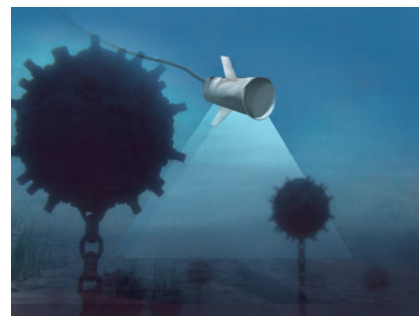
DATA LINK

Agnostic



ENDURANCE

20+ hours



The CUSV is well-equipped for mine countermeasure missions including hunting, sweeping and neutralization.



The CUSV features Textron Systems' proven command-and-control system.