



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.

TEXTRON Systems

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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 and Marine & Land Systems businesses, 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)



LAUNCH

From ports, well decks and both Littoral Combat Ships



TOWING CAPACITY

4,000+ lb force at 20 knots



SURVIVABILITY

Up to Sea State 6 (20 ft/6 m waves)



ENDURANCE

20+ hours



PAYLOAD

Modular, multi-payload flexibility



DATA LINK

Agnostic

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



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



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

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