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.
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.