

General Dynamics Littoral Combat Ship

The General Dynamics LCS concept features an innovative, high-speed trimaran hull that delivers one of the largest useable payload volumes of any U.S. Navy surface combatant afloat today. Its very large and stable flight deck that rests higher above the water than any U.S. Navy surface combatant will support near-simultaneous operation of two SH-60 helicopters, one H-53 helicopter or multiple unmanned aerial vehicles. Coupled with the inherent stability of the trimaran hull form, the ship is capable of conducting operations in Sea State 8 conditions and performing full flight operations through Sea State 5.

Additional characteristics are detailed below. High-resolution versions of images are available at www.gdlcs.com.

Design Characteristics

- Length 127.1 meters
- Beam 30.4 meters
- Draft 4.5 meters
- Sprint Speed 45 knots

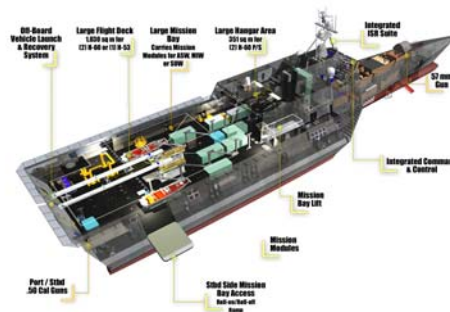
Propulsion

- 2 Gas Turbines
- 2 Diesel Engines
- 4 Steerable Waterjets
- 1 Steerable Thruster



Armament / Mission Operations

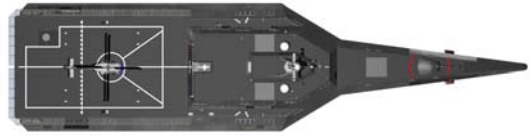
- Surface to Air Missile Launcher
- 57 mm Gun
- Minor Caliber Guns
- Decoys and Countermeasures
- Air, Surface and Subsurface Sensors / Coordinated Air, Surface and Undersea Tactical Picture
- Joint Force Tactical Coordination & Interoperation
- COTS / NDI Core Mission System



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Armament / Mission Operations (cont.)

- Near-simultaneous air operations: 2 helicopters or multiple UAVs / VTUAVs
- Hangar capable of housing two SH-60 helos
- Flight deck capability one H-53 helo
- Mission Bay Volume: 11,000 cubic meters
- Side Mission Bay Access
- Water Craft Stern Launch Capability
- Launch / recover aircraft: Sea State 5
- Launch / recover watercraft: Sea State 4
- Range: 4,500 NM



General Dynamics Team

Bath Iron Works is the prime contractor for the General Dynamics Littoral Combat Ship Team and will manage the program and support design and construction efforts. Ship design and construction will be performed by Austal USA (Mobile, AL) with support from the Austal Team in Australia. General Dynamics Advanced Information Systems will continue to function as Core Mission Systems Integrator and will lead ongoing software architecture, process management, test and evaluation and training efforts.

Other team members include: L3 Communications Marine Systems of Leesburg, VA; BAE Systems, Rockville, MD; Maritime Applied Physics Corporation (MAPC), Baltimore, MD; and Northrop Grumman Electronic Systems, Baltimore, MD.

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