**Mission Capabilities**

**LCS-I**

LCS-I and LCS-2 are the next generation surface combatant for the Israeli Navy. LCS-I leverages the U.S. Navy’s newest class of surface combatants - LCS to meet the challenging operational requirements of the Israeli Navy. Cooperation with the U.S. Navy on LCS provides commonality with US and Coalition forces and significantly reduces acquisition and life cycle costs and risks.

LCS-I is a groundbreaking surface combatant, with the speed (more than 40 knots), maneuverability to operate in all sea states and reconfigurable space to support special operations.

**Why We Need LCS-I**

LCS-I provides air area defense for the Israeli Navy protecting our sailors and our shores by pushing the fight well off of Israel’s coastline. Leveraging the U.S. Navy’s LCS surface design and Combat Management System, LCS-I will be fully interoperable with U.S. and allied forces, fully supporting the U.S. Navy CNO’s “1000 ship navy” in the Global War Against Terrorism.

LCS-I is the world’s most modern surface combatant equipped with the latest in advanced technology and solutions. The ship will empower our sailors to combat terror, protect our homeland, conduct blue water missions at sea, as well as participate in joint and coalition operations.

LCS-I is our platform of choice. A cost-efficient solution for our country. LCS-I offers multi-mission capability and reconfigurable space for the Israeli Defense Forces to quickly adapt to future threats.

LCS-I is the very first international variant of the U.S. Navy’s ship. This exciting opportunity brings the Israeli Navy and our national defense programs to the global forefront providing Israeli industry tremendous growth potential in the international marketplace.

LCS-I will help the Israeli Navy accomplish significant advancements in defense and protection of Israel and our allies. LCS-I provides Israel the opportunity to build up our naval capability in cooperation with the United States ensuring security for Israel, the United States and our allies around the world.

**NEWEST CLASS OF SURFACE COMBATANTS**

LCS-I provides Israel the opportunity to build up its naval capability in cooperation with the United States ensuring security for Israel, the United States and our allies around the world.

The U.S. Navy Lockhead Martin LCS ship was designed to be scalable, an open architecture combat system. This architecture enables rapid, low-risk integration with key Israeli sensors and weapons. The result is an unmatched surface combatant leveraging the best of Israeli, Israeli, and international anti-terrorism capabilities.

This ship is fast. It can move in quickly to conduct special operations in the littoral or brown waters of Israel’s coastlines. LCS-I is a true surface combatant; it reliably performs in deep blue water and enables our participation in joint and coalition operations. The U.S. Navy Lockhead Martin LCS ship was designed to be scalable, with an open architecture combat system. This architecture enables rapid, low-risk integration with key Israeli sensors and weapons. The result is an unmatched surface combatant leveraging the best of Israeli, Israeli, and international anti-terrorism capabilities.

**Features**

- Multi-mission surface combatant capability.
- Enables Israeli industry participation in LCS International.
- Integrates Israeli navy combat system with US-owned combat management system.
- Provides Israeli navy combat system with new system(s) and capabilities for future growth.
- Enables Israeli industry participation in LCS International.
- Enables rapid and effective deployment of special forces for Israel and counter-terrorism operations.
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- Provides Israeli industry maintenance capability and commonality across the IDF.
- Provides Israeli navy combat system with new systems and capabilities for future growth.
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Our Solution: LCS-I

Littoral Combat Ship - Israel

Our needs are very specific: Israel requires a solution designed to defeat growing asymmetric threats, participate in special operations and enable critical protection of our naval fleet. LCS-I is designed to grow over time to meet the needs of the Israeli Defense Force. As an example, the MK 41 Vertical Launch System (MK 41 VLS) provides the flexibility over time to integrate new missiles to address changes in threats and operational requirements. LCS-I addresses our technical requirements and provides a cost-effective solution for Israel.

LCS-I offers unprecedented Anti-Air Warfare (AAW) and Anti-Missile Warfare (AMW) for the Israeli Defense Force. The LCS-I Multi-Function Radar or MFR provides detection of distant enemy aircraft, enabling LCS-I to destroy both the missiles in flight and the enemy aircraft shooters.

Additionally, LCS-I enables critical capabilities for the Israeli Navy complementing the existing Sa’ar 5 ship’s capabilities. The LCS-I large flight deck and extensive hangar provide for flexible special operations through launch and recovery of unmanned vehicles. The Waterborne Mission Zone, or WMZ, is capable of handling the wide variety of manned and unmanned surface vehicles currently in use by the Israeli Defense Force such as Rafael’s Protector unmanned surface vehicle or helicopters up to and including an SH60.

By leveraging the U.S. Navy’s LCS design, shipbuilding capability and combat system integration, LCS-I is an affordable ship for the Israeli Defense Force. It will continue to benefit our country via the U.S. Navy’s investment to significantly reduce lifecycle costs over the course of our program.

LCS-I is well down the path to success. The Israeli Navy has selected a top-side design variant from the platform study being conducted by the Israeli Navy, U.S. Navy and Lockheed Martin team. The Israeli Navy is also engaging the U.S. Navy and Lockheed Martin in a combat system configuration phase to define and evaluate performance of the LCS-I combat system. The results of these efforts have validated the feasibility of LCS-I from a capability and lifecycle cost standpoint.

LCS-I features significant Israeli industry participation including: Elbit Systems, Israeli Aircraft Industries, Elta Systems and MBT Missile Systems, Ness Technologies and Rafael Ammunition Development Authority. Lockheed Martin and the U.S. Navy have demonstrated the capability to integrate Israeli systems into the U.S. Navy’s LCS design. Through LCS-I Israeli industry is well positioned to play a major role in the international success of the LCS platform.

LCS-I is the solution our people and our sailors deserve. The world is watching—so are the terrorists and our enemies—let’s make the right choice by investing and safeguarding Israel’s future with LCS-I . . .

LCS-I provides anti-submarine warfare and support of Special Forces operations. LCS-I detects submarines through its sonar suite and destroys these enemy threats through an ASROC launch from the MK 41 Vertical Launch System. LCS-I’s large flight deck and extensive hangar provide for flexible special operations through launch and recovery of unmanned vehicles. The Waterborne Mission Zone, or WMZ, is capable of handling the wide variety of manned and unmanned surface vehicles currently in use by the Israeli Defense Force such as Rafael’s Protector unmanned surface vehicle or helicopters up to and including an SH60.

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