Canada’s Combat Ship Team

L3 Is Proud to Be Part of the Lockheed Martin Team

Canada’s Combat Ship Team combines Lockheed Martin – Canada’s long-standing expertise in naval integration with the world’s most advanced warship design – BAE Systems’ Type 26 Global Combat Ship – and high-tech platforms from top-pedigree Canadian innovators CAE, MDA, L3 Technologies, and Ultra Electronics Maritime Systems Inc. (Ultra).

Offering the most advanced and modern warship design with Canadian-developed combat and platform systems, BAE Systems, CAE, Lockheed Martin Canada, L3 Technologies, MDA, and Ultra are partnering as Canada’s Combat Ship Team for the Royal Canadian Navy’s future fleet of Canadian Surface Combatants (CSC). For Canada’s distinctive mission requirements, Canada’s Combat Ship Team proposes BAE Systems’ Royal Navy Type 26 Global Combat Ship design, enhanced with the team’s collective Canadian naval expertise in combat system design, integration, training, logistics and program management. Our team is offering Canada’s trusted Combat Management System – Lockheed Martin Canada’s modern CMS 330, currently in service on board Canada’s modernized HALIFAX-class frigates. Our team has been a proven and trusted partner to the Royal Canadian Navy for more than three decades on some of the most successful naval projects in Canada’s history, as well as with other premier navies and shipyards around the world.

CAE, L3 Technologies, MDA and Ultra, along with BAE and Lockheed Martin Canada, constitute a Team that brings a wide Canadian footprint and innovative Canadian technologies and capabilities in integrated naval training and simulation solutions, human systems integration for naval systems, electronic and electro-optical systems engineering, marine technologies, systems integration support, through life in-service support and underwater warfare integration and systems.

“We are proud to be a member of Canada’s Combat Ship Team and excited to announce the submission of our team’s proposal. With a strong Canadian footprint, L3 Technologies is in a unique position to leverage our established Canadian companies to deliver Canadian marine technologies, systems integration support, and through life in-service support to the team in a number of areas, including integrated communications, electro-optic and infrared sensors, torpedo handling systems, and integrated platform management systems,” said Richard Foster, Vice President, L3 Technologies Canada.

Canadian Surface Combatant — Courtesy of BAE & Lockheed Martin
L3 Australia is pleased to announce that the Integrated Communication, Platform Management and Navigation Systems Preliminary Design Review (PDR) for SEA 1180, Australia’s new fleet of Offshore Patrol Vessels (OPVs), was successfully completed on September 20, 2018.

PDR is the first milestone toward confirming that L3 Australia’s integrated communications, navigation and platform management systems will satisfy the Royal Australian Navy’s capability requirements. Completion of this step allows L3 Australia to proceed into detailed design with a high level of confidence.

"Completion of PDR just six months after contract award is a testament to the capability of L3 Australia’s highly talented and committed project team. L3 Australia is bringing engineering capabilities together from across our existing locations in Australia, including New South Wales, Victoria, Western Australia, and soon South Australia," said Alan Titheridge, Chief Executive for L3 Australia.

Following completion of the detailed design in early 2019, L3 Australia will commence procurement and manufacturing activities with a first ship set delivery scheduled for late 2020 at ASC Shipyards in South Australia.

The OPV Fleet will provide the RAN with a greatly increased surveillance and response capability and marks a step-change in operational capability over the current Armidale Class Patrol Boats. The OPV Fleet will benefit from a significant increase in shipboard communications interoperability, allowing the ships to embark remote unmanned systems and operate alongside forward deployed combat units within a Joint Force environment.

L3 Australia creates, delivers and supports communication systems for maritime operations and provides support for L3 equipment in land, sea and air domains.

*SEA 1180 OPV — Courtesy of Lürssen*
Meet the Newest Member of L3 Australia

Nigel Bagster, Managing Director of L3 Australia

G’day, from Down Under. I am Nigel Bagster, Managing Director of L3 Australia, Communications & Networked Systems (C&NS) segment.

I am honoured to be leading a fantastic team here in Melbourne, Sydney and Canberra, Australia. The team here is actively delivering solutions across a number of different technology domains in support of the Australian Defence Force.

I started my career at the War College and served in the Australian Army for five years. I have worked in the Defence Industry for over 30 years and bring a wealth of Aerospace and Defence experience in executive leadership and senior programme management roles. I am the former General Manager of Selex ES Australia (now Leonardo) and Programme Director of SEA 1442 where I oversaw the capture and execution of the programme to upgrade Integrated Communications on the Royal Australian Navy (RAN) Anzac Frigates. Most recently, I served as the Electronic Warfare Portfolio Director for Thales Defence Mission Systems in the United Kingdom, where my focus was on new business capture and internal product development.

In my new role as Managing Director of L3 Australia, there are essentially three key strategic areas I will oversee. First we will drive growth through business development with our customers in the Australian and New Zealand Defence Forces. Second there is the requirement to manage the projects and delivery aspects of the business directly to our customers – we continue to deliver on the LHD, Collins, and the SEA 1180 Arafura Class OPVs. Last, my role encapsulates overseeing the general management of L3 Australia’s impressive team, ensuring governance and processes are followed. My favorite part of the job is the interaction with our customers, employees, and the suppliers who work with L3, making Australia a stronger nation.
Integrated Electronic Systems for Patrol Boats

Delivering core solutions for mission needs

Targeting Patrol Boats up to 45 meters, L3 delivers complete internal and external communication systems and navigation solutions.

L3’s Core Patrol Boat Solutions include:

Interior Communications
Interior Communications provide naval patrol platforms the ability to contact internal administrative and tactical locations of the ship, integrate with external nets, and activate alarms and announcing. L3 offers fully integrated and interoperable interior and exterior communications.

Exterior Communications
L3 has provided state-of-the-art communications systems designed to take HF, VHF, and UHF radios to the next level. We are offering software-defined radios (SDR) that perform in tactical operations dedicated to patrolling mission needs.

Integrated Bridge Systems
Conning/Radar/Electronic Chart Display (ECDIS) – Depending on the individual configuration, the nautical tasks of route monitoring, collision avoidance, navigation control, status display and alarm monitoring may occur at dedicated workspaces. Radar, ECDIS, and Conning applications are offered for safe navigation with International Maritime Organization (IMO) compliance.

Navigation Sensor Solutions
L3 offers a navigation sensor package that provides collection, monitoring, and distribution of navigation sensor data for position, speed, heading, roll and pitch angles and corresponding angular rates, depth, and environmental data.

Design/Integration/Program Management
L3 has established engineering processes and tools, in addition to integrated logistics support services.

User Terminals
L3 offers a 10-intercom station system consisting of both tactical and administrative terminals. These terminals include a complement of IP flush and desktop phones, own-powered systems, PA panels, and IP turbine watertight solutions. L3 also includes intercom PAs and loudspeakers for public alarms and address.
Save the Date!

**We’ll Be at These Upcoming Trade Shows:**

**IDEX**
February 17-21, 2019 at the Abu Dhabi National Exhibition Centre (ADNEC), Abu Dhabi, the capital of the United Arab Emirates. IDEX is the only international defence exhibition and conference in the MENA region demonstrating the latest technology across land, sea and air sectors of defence. L3 will be located in the USA Pavilion, Stand O2-B12. For more information, visit [IDEX](#).

**AFCEA West**
February 13-15, 2019 at the San Diego Convention Center. The premier naval conference and exposition on the West Coast, WEST is now in its 29th year of bringing military and industry leaders together. L3 will be located in Booth 1603. For more information, visit [WEST](#).

**Global Force Symposium**
March 26-28, 2019 at the Von Braun Center, Huntsville, Alabama. This symposium will explore the capabilities outlined in the Army Operating Concept and how the force transforms from being adaptive to driving innovation for Force 2025 and beyond. L3 will be located in Booth 711. For more information, visit [GlobalForce](#).