

# CANADIAN SURFACE COMBATANT



## The right ship for the RCN. The right ship for Canada.



### Surveillance & Weapon Sensors

- Solid State 3D Active Electronically Scanned Array (AESA) Radar – *LMC SPY-7*
- Solid State AESA Target Illuminator – *MDA*
- Navigation Radars – *X & S Band*
- Electro-Optical and Infrared Systems

### Command & Control

- Combat Management System – *LMC CMS 330 with AEGIS*
- USN Cooperative Engagement Capability – *Sensor Netting*
- Integrated Cyber Defence System
- Integrated Bridge and Navigation System – *OSI*
- Internal and External Communication Suite – *L3 Harris*

### Aviation Facilities

- 1 x CH-148 Cyclone Helicopter
- Space for embarking Remotely Piloted Systems
- Helo Hauldown and Traverse System – *Indal Technologies Inc.*



### Electronic Warfare & Countermeasures Suite

- Radar/Radio ESM Frequency Identification
- Laser Warning and Countermeasures System
- Radio Frequency and Electronic Jammers
- Electronic Decoy System

### Weapons

- Missile Vertical Launch System 32 Cells – *LMC MK 41*
- Area Air Defence Missiles – *Raytheon Standard Missile 2*
- Point Defence Missiles – *Raytheon Evolved Sea Sparrow*
- Naval Fires Support – *Raytheon Tomahawk*
- Main Gun System – *127mm*

### Weapons

- Lightweight Torpedoes MK54 & Twin Launch Tubes
- Close-In Air Defence System – *MBDA Sea Ceptor*
- Surface-to-Surface Anti-Ship Missile – *Kongsberg Naval Strike Missile*
- 2 x Stabilized Rapid Fire 30mm Naval Gun System – *BAE*

### Reconfigurable Mission & Boat Bays

- 1 x Rescue Boat – *9 metres*
- 2 x Multi-Role Boats – *9-12 metres*
- Mission Bay Handling System – *Rolls Royce*
- Modular Mission Support Capacity – *Sea Container, Vehicles, Boats*

### Propulsion & Power Generation

- Combined Diesel-Electric or Gas Propulsion System (CODLOG)
- 2 x Electric Motors – *GE*
- 1 x Gas Turbine – *Rolls Royce MT 30*
- 4 x Diesel Generators – *Rolls Royce MTU*
- Integrated Platform Management System – *L3 Harris*

### Integrated Underwater Warfare System

- Towed Low Frequency Active & Passive Sonar – *Ultra Electronics*
- Hull-Mounted Sonar – *Ultra Electronics Sonar S2150*
- Towed Torpedo Countermeasures – *Ultra Electronics SEA SENTOR S21700*
- Sonobuoy Processing System – *General Dynamics*
- Expendable Acoustic Countermeasures

### Specifications:

Length: 151.4 metres    Displacement: 7800 tonnes    Range: 7000 nautical miles  
Beam: 20.75 metres    Navigational Draught: ~8m    Class: 15 ships  
Speed: 27 knots

### Habitability:

Accommodations: ~204    Dedicated Gym/Fitness Facilities  
Medical Facilities    Shipboard Wi-Fi