



**CONTINENTAL DEFENCE CORVETTE**  
**VARD 7 105**

DESIGNED IN CANADA



BUILT IN CANADA



EQUIPPED IN CANADA



### Key Facts

Core Berths | 144  
Surge Capacity | 40  
Dimensions | -----



### Performance

Top Speed | 26.0 kt +  
Cruise Speed | 15.0 kt



### Propulsion Machinery

Main Engines | 2 x 8,000 kW  
Main Generators | 3 x 1,000 kW



### Auxiliary Machinery

Propulsion Motors | 2 x 500 kW  
Emergency Generator | 1 x 300 kW



### Tankage

Range | 5,500 nm @ 15 kt  
Endurance | 60 days



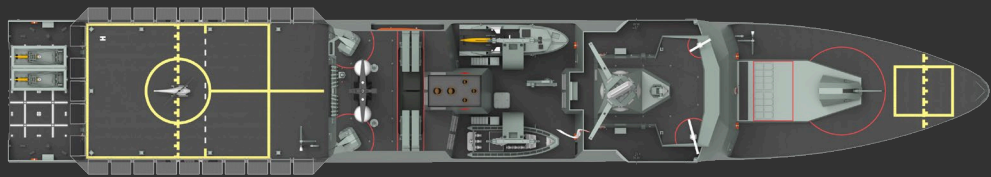
Depth 8.1 m



Draft 4.5 m

Length 107.7 m

Beam 15.6 m



# CAPABLE FLEXIBLE DEPLOYABLE.



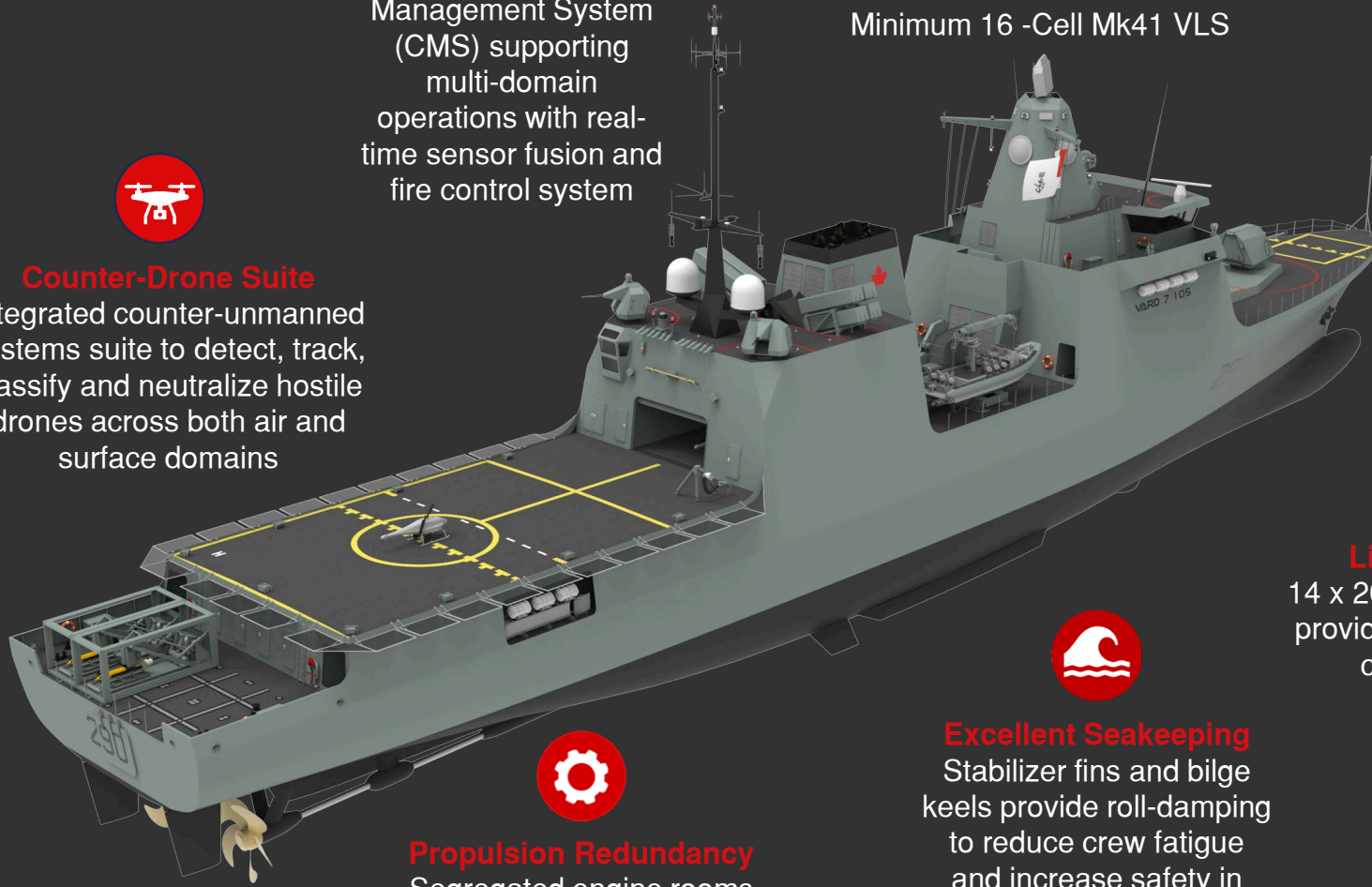
**Combat Management**  
Integrated Combat Management System (CMS) supporting multi-domain operations with real-time sensor fusion and fire control system



**Counter-Drone Suite**  
integrated counter-unmanned systems suite to detect, track, classify and neutralize hostile drones across both air and surface domains



**Armament**  
57mm Main Gun  
2x 30mm RWS  
2x 12.7mm Guns  
8x NSM Launcher  
Minimum 16 -Cell Mk41 VLS



**Lifesaving**  
14 x 20-man liferafts provided for rescue capability



**Excellent Seakeeping**  
Stabilizer fins and bilge keels provide roll-damping to reduce crew fatigue and increase safety in heavy weather



**Propulsion Redundancy**  
Segregated engine rooms for enhanced survivability, CODADE port and stbd propulsion architecture

# CAPABLE FLEXIBLE DEPLOYABLE.



**Multi-Mission Capability**  
Midship deck area with dual-point davits for mine-hunting USVs, Special Forces RHIBs



**Significant Accommodation**  
Facilities for up to 144 core complement +40 surge berths



**Flight Deck**  
Organic storage & maintenance facilities for UAVs.  
Landing, VERTREP, refueling capability for ASW Helicopter



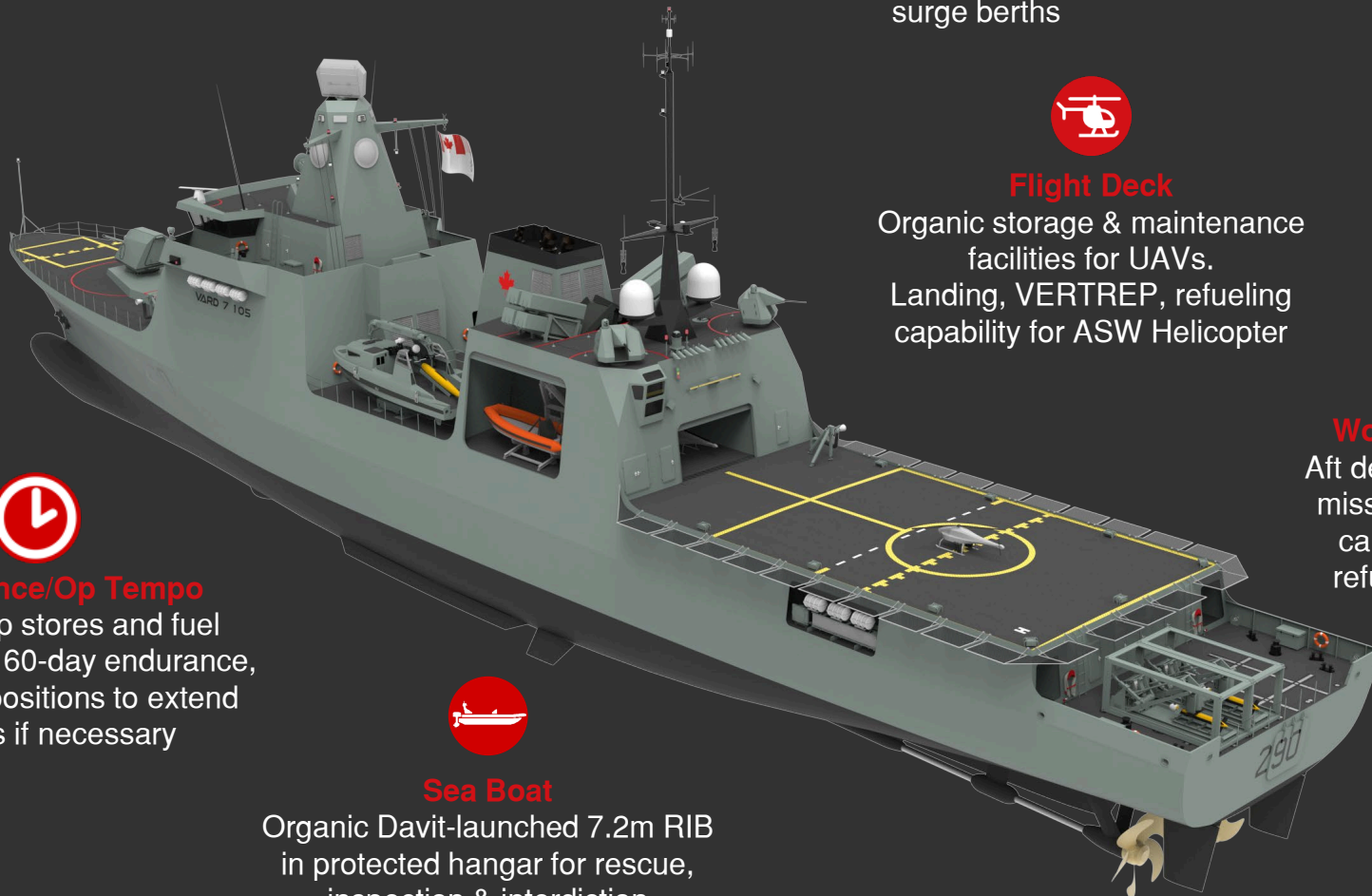
**Working Deck**  
Aft deck for ISO-20 mission modules, cargo staging, refugee shelter



**Endurance/Op Tempo**  
Large ship stores and fuel reserves for 60-day endurance, with RAS positions to extend patrols if necessary



**Sea Boat**  
Organic Davit-launched 7.2m RIB in protected hangar for rescue, inspection & interdiction



# CAPABLE FLEXIBLE DEPLOYABLE.



**Communications**  
Secure, multi-band  
SATCOM for global  
reach, including  
Arctic coverage



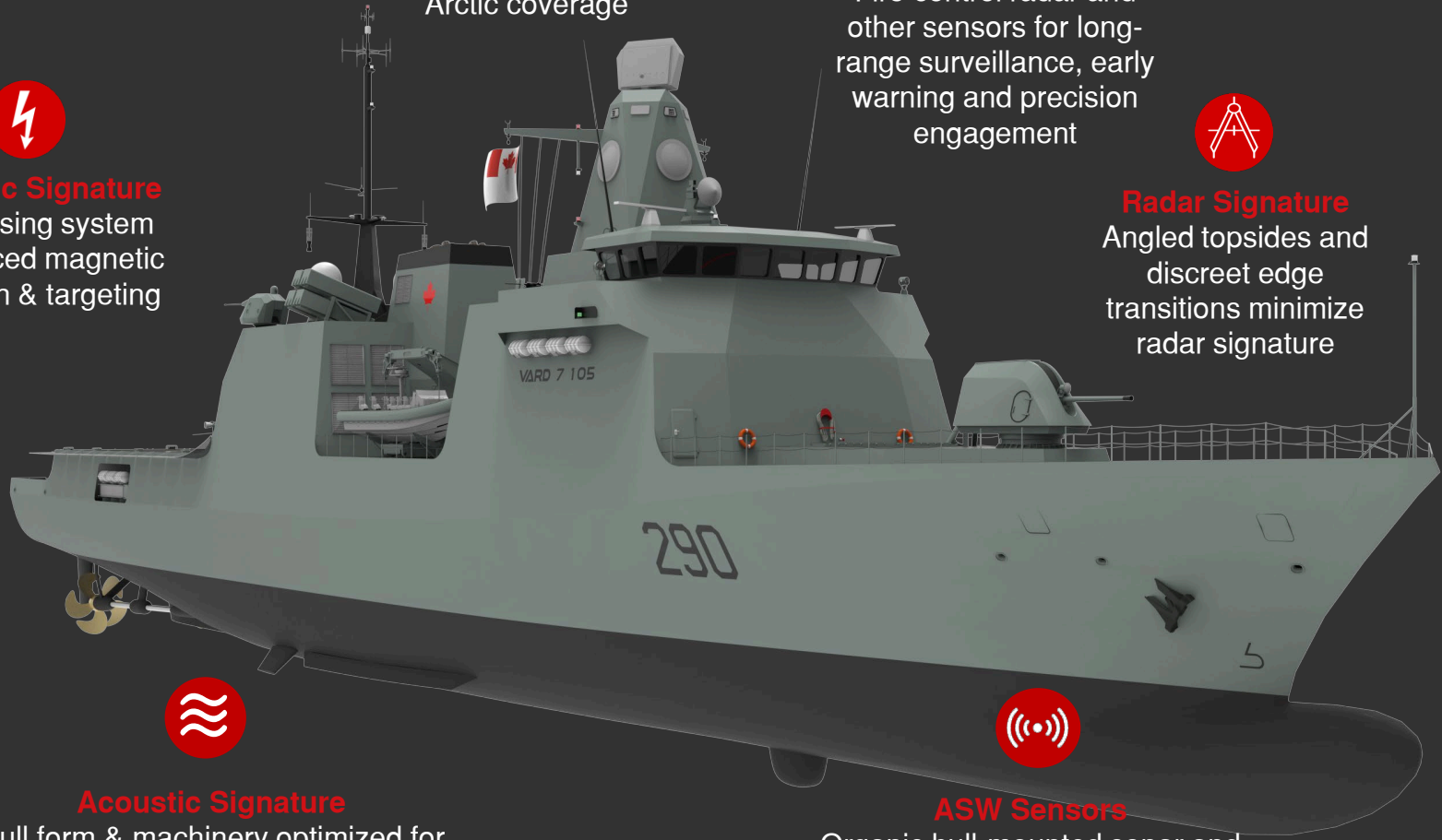
**Surveillance and  
Sensing**  
Fire control radar and  
other sensors for long-  
range surveillance, early  
warning and precision  
engagement



**Magnetic Signature**  
Degaussing system  
for reduced magnetic  
detection & targeting



**Radar Signature**  
Angled topsides and  
discreet edge  
transitions minimize  
radar signature



**Acoustic Signature**  
Hull form & machinery optimized for  
silent running using electric drive mode  
to reduce URN characteristics



**ASW Sensors**  
Organic hull-mounted sonar and  
towed array, deployable UUVs for  
anti-submarine warfare