



LCS
Littoral Combat Ship

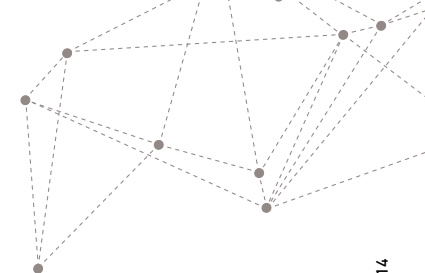
FINCANTIERI
The sea ahead



LCS

Littoral Combat Ship

— The Littoral Combat Ship (LCS) is designed to defeat growing littoral threats and provides assured access and dominance in coastal and open waters. A fast, maneuverable surface combatant, the LCS provides warfighting capabilities and operational flexibility for focused missions including mine-clearing, anti-submarine and anti-surface warfare. The LCS FREEDOM class – a survivable, semi-planning steel monohull – provides outstanding maneuverability with proven sea-keeping characteristics to support launch and recovery operations, mission execution and optimum crew comfort. High levels of automation, the integrated total ship systems and an experienced industry team are just some of the strong characteristics that Team Freedom brings to this critical program.



sintra/hub M-04/14

_ main characteristics

Sprint speed	>40 kn
Length overall	115.30 m
Max breadth	17.50 m
Draft	4.10 m
Displacement	~ 3 200 t
Range sprint	>1 000 NM
Range cruise	>3 500 NM

PROPULSION PLANT

Twin CODAG arrangement

- 2 Fairbanks Morse Pielstick 16PA6B STC Diesel Engines
- 2 Rolls-Royce Marine Trent MT-30 Gas Turbines

ELECTRICAL POWER PLANT

4 Isotta Fraschini V1708 Common Rail Diesel Engines driving 4 Hitzinger Generator Units, 800 kW each

PROPULSORS

4 Rolls-Royce/Kamewa 153SII/153BII Waterjets

- 2 Steerable/Reversing
- 2 Fixed Boost



_ combat system

Capabilities on the LCS in all configurations include self-defense, navigation and C4I.

Self-defense features include:

- RAM (Rolling-Airframe Missile) Launching System
- 57 mm Main Gun
- Mine, Torpedo Detection
- Decoy System



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