

ALPHA 5000 COMBATANT

Multi-Role Combatant Vessel

The Tier 2 Combatant Ships of the Next Decade



- ✘ Able to provide increased strike, air defence, presence operations, and anti-submarine warfare.
- ✘ Includes the ability to conduct anti-mine warfare operations.
- ✘ Is focused on symmetric advantages and ensures that Australia has a qualitative advantage in critical military technology areas.
- ✘ Provides a cost-effective and practical solution that enables the RAN to have flexibility while reducing the training and sustainment costs.
- ✘ Has a significantly smaller crew complement than Australia's current and future larger Tier 1 combatants.

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Multi-role capability

- ✦ Superior endurance & range providing effective regional force projection.
- ✦ 3D Radar, ideal platform for CEAFAAR Radar.
- ✦ 32 MK-41 VLS cells, supporting ESSM missiles, Tomahawk missiles, 2 x 4 Naval Strike Missiles, Evolved SeaSparrow Missile (ESSM Block 2 Surface-to-Air Missile).
- ✦ High-grade weapons systems, including Leonardo 76mm, 35mm Millennium Close In Weapons System (CIWS), & 2 x 30mm Typhoon Remote Controlled Weapon System (RCWS).
- ✦ High-level automation and survivability, consistent with the proposed crew. The same Integrated Platform Management System (IPMS) is in use in other RAN Navantia designs.
- ✦ Ability to support MH-60R with the ship's flight deck and hangar.
- ✦ Adapts to local conditions & operates in high sea temperatures & extreme weather conditions.

Versatile Platform Design

- ✦ Designed for maximised survival of the ship, with four contiguous rooms for propulsion & electricity generation.
- ✦ CODELAG propulsion with 2 engine rooms with a total of 4 encapsulated MTU 12V4000 & 1 x LM2500 gas turbine.
- ✦ Independent Power Stations.
- ✦ Digital mock-up.

A multi-role combatant provides the RAN with the possibility to enhance capabilities depending on the mission within the same platform. The ship is designed for different configurations that can be quickly fitted onboard depending on the mission.

ASW Additional Capability

- ✦ Towed sonar
- ✦ Torpedo launchers
- ✦ Torpedo stowage

Mine Counter Measures Capability

- ✦ Mine deployment
- ✦ Mine stowage

Humanitarian Mission Capability

- ✦ Hospital modules
- ✦ Generator set
- ✦ Batteries

Extra USV and RHIB Capability

- ✦ RHIBs
- ✦ USVs
- ✦ Generator set
- ✦ Batteries
- ✦ Embarked forces

Main Characteristics

Length	121m
Beam	16m
Max speed	+27kn
Displacement	4550t
Range	5000nm
Endurance	30d
Draft	5m
Max accommodation	138p

