

NAVAL SOLUTIONS




AUSTAL

AUSTAL

Founded and headquartered in Australia, and operating globally, Austal is the world's largest aluminium shipbuilder. Our expert team are leaders in the design, development and sustainment of innovative, high speed Defence platforms. Our solutions are built to be cost effective, offering customised systems integration, flexible payload configurations capable of performing missions, from the difficult to the complex.

Austal has cutting edge, shipyards in Australia the USA, Philippines, and Vietnam with service centres around the world. In our 30+ year history, Austal has delivered more than 340 vessels to over 121 operators in 59 countries, delivering for governments all over the world including the US Navy, Royal Australian Navy, our many Pacific neighbours and Timor-Leste, nations in the Middle East and even the Caribbean.

30+ Years

Experience in delivering defence and commercial vessels

Austal has designed, built, and delivered:

340 commercial and Defence vessels, for more than **121** operators in **59** countries.

5000+

staff globally, including **935** in Australia



Founded and headquartered in Australia



Global operations and service centres



Cutting edge shipyards in Australia, USA, Philippines, and Vietnam



World's largest aluminium shipbuilder

ADVANCED SHIPBUILDING CAPABILITIES IN ALUMINIUM AND STEEL

By leveraging proven commercial technology into the Defence sector, Austal vessels constructed in aluminium or steel deliver:



Superior performance and flexibility



Efficient and reliable service



Substantially reduced operating costs

Our team understands we are living in an increasingly contested world, that comes with a unique set of maritime challenges.

Our vessels are developed by highly qualified engineers and naval designers, to meet these challenges, utilising the very latest in architecture systems.

Our team leads design, development, and sustainment of innovative, high speed Defence platforms that offer multiple mission capability, flexible payload configuration, cost effective modular construction and customised systems integration.

MEETING EMERGING THREATS HEAD ON



We will work with you, to customise the perfect solution, for your budget, to ensure operational readiness and deliver you stronger national security.



LITTORAL COMBAT SHIP (LCS)

DELIVERING HIGH-SPEED, LETHAL CAPABILITY TO THE US NAVY

Austal are proud to be long term design and shipbuilding partners of the US Navy.

The US Navy's Independence-variant Littoral Combat Ship (LCS) is a high-speed, lethal, warship designed by Austal, to carry out a range of operations including, mine countermeasures, anti-submarine warfare, intelligence, surveillance and reconnaissance, and the prosecution of surface attack craft in the near-shore (littoral) environment.

This ship is world class, and by utilising Austal's proven trimaran hull form, the LCS provides enhanced seakeeping, low resistance, superior aviation facilities and large payload carrying capacity.

LCS PRINCIPAL PARTICULARS

Length:127.1m
Beam:31.4m
Hull draft (max):4.5m
Mission bay:11,000m³
Speed:40 knots
Range:3500 nm @ 16 knots
Crew:40
Aviation:2 x SH-60 or 1 x CH-53



EXPEDITIONARY FAST TRANSPORT (EPF)

DELIVERING FAST TRANSPORT OF TROOPS AND EQUIPMENT

The EPF (Spearhead-class) is a multi-use military platform capable of transporting troops and their equipment, supporting humanitarian relief efforts, the ability to operate in shallow waters, and can reach a speed of more than 35 knots fully loaded. EPFs has a core crew of 42 people, with airline style seating for 312 embarked forces and fixed berthing for 104.

EPF PRINCIPAL PARTICULARS

Length:103m
Beam:28.5m
Hull draft (max):3.83m
Mission bay:1,858m³
Speed (90% MCR @700t deadweight):35 knots
Range:1200nm @ 35 knots
Troop Seating:312
Aviation:NAVAIR Level 1 Class 2 certified flight deck



600 short tons of military cargo



35 knots fully loaded average speed



1200 nautical miles



FLIGHT DECK FOR HELICOPTER MEDICAL OPERATIONS, hospital support, or to deliver Humanitarian Assistance Disaster Relief.



RAPID DEPLOYMENT of conventional or special forces.



OPERATES IN SHALLOW-DRAFT PORTS AND WATERWAYS, interfacing with on-off-load ramp that allows vehicles to drive off the ship quickly.

PATROL BOATS

DELIVERING HEIGHTENED SECURITY
AND SURVEILLANCE, IN PORTS AND
COASTAL WATERS



AUSTAL INSHORE PATROL 21

Length overall	21.2m
Beam (moulded).....	5.5m
Hull draft (maximum).....	1.83m
Speed (maximum)	28.5 knots
Endurance.....	48 hours
Crew.....	8



AUSTAL PATROL 22

Length overall	21.6m
Beam (moulded).....	6.0m
Hull draft (maximum).....	1.5m
Speed (maximum)	25 knots
Range.....	325 nm
Crew.....	3
Personnel Seating.....	41



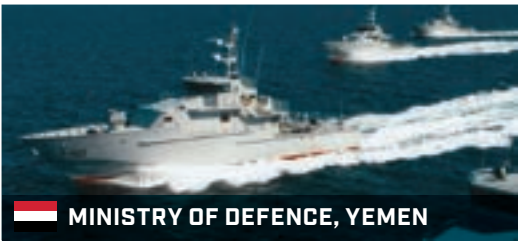
AUSTAL PATROL 24

Length overall.....	24.0m
Beam (moulded).....	7.8m
Hull draft (maximum).....	1.39m
Speed (maximum).....	26.0 knots
Range.....	900 nm
Crew Accommodation.....	4 x 2 berths
.....	+ 6 additional berths



AUSTAL FAST PATROL 30

Length overall	30.0m
Beam (moulded).....	6.4m
Hull Draft (approx.).....	1.5m
Speed (maximum)	40 knots
Range.....	>1000 nm
Crew.....	11



AUSTAL PATROL 37.5

Length overall	37.5m
Beam (moulded).....	7.2m
Hull draft (maximum).....	2.2m
Speed (maximum)	29 knots
Range.....	1000nm
Crew.....	3 officers, 16 sailors



AUSTAL PATROL 38

Length overall	38.2m
Beam (moulded).....	7.2m
Hull draft (maximum).....	4.5m
Speed (maximum)	24 knots
Range.....	3000 nm
Crew Accommodation.....	15
Additional Personnel.....	12



PATROL 56 (ARMIDALE-CLASS)

Length overall	56.8m
Beam (moulded).....	9.5m
Hull draft (maximum).....	2.7m
Speed (maximum)	>25 knots
Range.....	3000 nm
Crew Accommodation.....	29

AUSTAL PATROL 58 [CAPE-CLASS]

THE INTERNATIONAL BENCHMARK IN
BORDER PATROL CAPABILITY



The Cape-class is undoubtedly one of Austal’s most successful and proven naval vessel designs. The Patrol 58 is an integral maritime asset of the Australian Border Force (ABF), the Royal Australian Navy (RAN) and the Coast Guard of Trinidad & Tobago.

Improving on the original design, Austal has developed two new variants of the Patrol 58 that extend the capability of this proven platform – creating a more cost-effective offshore patrol solution. The Evolved Cape-class Patrol Boat design for the RAN improves operational capability and crew capacity. The six Evolved Capes currently under construction feature new, larger amenities to accommodate up to 32 people, improved quality of life systems and advanced sustainment intelligence systems that will further enhance the Royal Australian Navy’s ability to fight and win at sea.



Our team also worked closely with the Trinidad and Tobago Coast Guard (TTCG) to customise the vessel to meet their challenges. This customisation included additional armament placements and increased crew accommodation for up to 27 persons.



These vessels protect Australian waters and help to deliver peace and security in the Indo-Pacific region.

AUSTAL PATROL 58 PRINCIPAL PARTICULARS

Length:	58.1m
Beam:	10.6m
Hull draft (max):	3.1m
Speed:	26 knots
Range:	>4000 nm
Crew Accommodation:	22

AUSTAL PATROL 40 [GUARDIAN-CLASS]




SECURING THE PACIFIC



Australia’s long-standing support for its Pacific Island neighbours through the Pacific Patrol Boat Program has enabled smaller nations in the region to bolster their maritime surveillance capabilities including fisheries protection, countering transnational crime, and bolstering search and rescue operations.

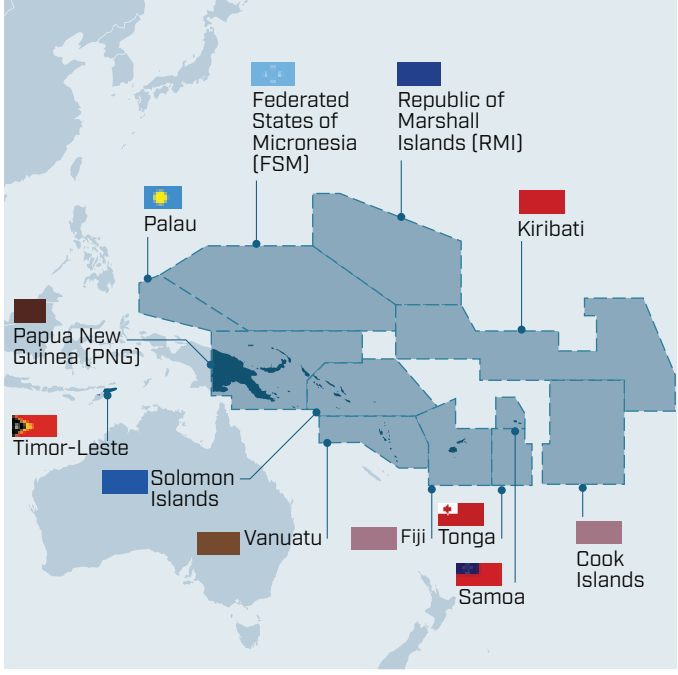
The Guardian Class patrol boats are packaged with long-term Australian sustainment, training, infrastructure, and advisory support to equip Australia’s Pacific partners with capacity to effectively collect, analyse, manage, and share maritime security information – internally, with neighbours, and with the region.

This program includes:

-  **21x39.5m** Steel vessels designed and constructed by Austal
-  **12** Pacific Island nations and Timor-Leste recieved the vessels
-  **2018-23** Program duration

AUSTAL PATROL 40 PRINCIPAL PARTICULARS

Length:	39.5m
Beam:	8.0m
Speed (SS4):	20 knots
Range (SS4):	3000 nm @ 12 knots
Cargo Deck:	16m2 with lashing grid serviced by crane
Ships Boat:	1 x Work RHIBs (WRH635FRB)



Weapon:	Space and weight reservation for a single fordeck mounted naval gun, port and starboard midship machine guns
Crew Accommodation:	23

OFFSHORE PATROL 60

NEW DESIGN, PROVEN PLATFORM,
DELIVERING AFFORDABLE
MULTIMISSION CAPABILITY



The Offshore Patrol 60 is an evolutionary new design, based on our proven Austal Patrol Boat platform. The distinctive, sleek hull design and steel construction provides the ideal platform for multiple missions, delivering strength, survivability, and performance.

A fast and effective stern launch for the ships boat and the option of two or three engine configurations features across the Offshore Patrol 60 range, which includes:

- Maritime Security;
- Surveillance; and
- Subsurface variants.

FULLY CUSTOMISABLE



The new Offshore Patrol 60 can be fully customised and configured to suit individual vessel or fleet requirements. This ship can be constructed by Austal, or a preferred in-country partner through effective technology transfer.

OPV60 PRINCIPAL PARTICULARS

Hull material.....	Steel
Length overall:.....	60.0m
Beam overall:.....	10.6m
Draft (approx.).....	3.0m
Speed:.....	23.5 knots
Range at 12 knots.....	2,500nm
Weapons:.....	1x30/40mm RWS, 2x30mm RWS, 2x12.7mm MG
Aviation:.....	Mid sized VTOL and fixed wing UAS

OFFSHORE PATROL 83

NEW DESIGN, PROVEN PLATFORM,
ENABLING HELICOPTER AND UNMANNED
AERIAL SYSTEM MISSIONS



Austal’s Offshore Patrol 83 is a new steel vessel design, derived from a proven platform that has demonstrated success operating in tropical environments and conducting border patrol and maritime operations.

Unmatched Value for Money: no other vessel in its class offers the same quality, backed by one of the world’s leading Patrol Boat builders and designers. The features include:

- An aviation deck enabling helicopter and Unmanned Aerial Systems (UAS) missions.
- A mission bay and aft storage areas to facilitate the embarkation of containerised mission modules.
- A starboard boat deck and stern well for the safe and rapid launch and recovery of Rigid-Hulled Inflatable Boats (RHIBs).
- A large Combat Information Centre (CIC), with additional space available to support console growth and Surface to Air Missile (SAM) and Surface to Surface Missile (SSM) systems.

OPV83 PRINCIPAL PARTICULARS

Hull material.....	Steel
Length overall:.....	83.4m
Beam (moulded):.....	13.3m
Hull depth (moulded):.....	6.5m
Hull draft:.....	4.0m
Speed:.....	22 knots
Range at 12 knots:.....	>3,500nm
Weapons:.....	1x30/40mm RWS, 2x30mm RWS, 2x12.7mm MG
Aviation:.....	UAS and helicopter landing, take-off and re-fuelling

HIGH SPEED SUPPORT VESSEL 72

FAST, MANOEUVRABLE, OUTSTANDING PAYLOAD CAPACITY, AND SUPPORTS HELICOPTER OPERATIONS



The High Speed Support Vessel 72 (HSSV) is a multi-mission capable patrol or special operations solution based on Austal's proven high speed catamaran platform. The shallow draft, medium-lift-aviation vessel offers high speed performance and manoeuvrability, outstanding payload capacity for vehicles, equipment, troops and stores. With a helicopter platform, multi-deck hoist, stern ramp and crane, the HSSV is prepared for any military, SAR or humanitarian/disaster relief mission.

HSSV 72 PRINCIPAL PARTICULARS

Length:	72.5m
Beam (moulded):	76.6m (with ramp)
Speed (maximum):	18.2m
Range:	38 knots
Flight Deck:	2470 nm @ 12.5 knots
Weapon:	22.0m x 12.0m
	1 x 20mm naval gun
	4 x 12.7mm GPMG
Sea/Rescue Boats:	2 x 7.3m RHIBs
Crew:	69
Embarked Personnel Seating:	260



Military off-the-shelf technology

Ideal platform for humanitarian aid, disaster relief and civilian evacuations



Weapons package:
4 x 12.7mm guns
1 x 20mm naval gun

Accommodation for 69,
seating for 260 troops

Ships boat launch and
recovery up to 12 tonnes



Flight deck = 22m x 12m
medium helicopter

Large 900m² Mission bay
vehicle capacity = 158 lane metres
Accommodates wheeled or
tracked vehicles, military equipment,
cargo, mission packages including
mine warfare

Bi-fold slewing ramp
12m x 4.25m

Operations room with 8 workstations



OUR SYSTEMS AND SUPPORT

Austal does more than design and deliver unparalleled ships. Our team has spent many years investing in and developing maritime technologies that enhance ship performance and management, delivering our customers efficiency, transparency, and confidence.

Austal's MARINELINK suite of products allow crews and operators to monitor, analyse and control multiple vessel operating systems accurately, efficiently and in real time – on board or on shore. MARINELINK enables reliable, informed decision making that improves vessel performance and fleet management.

Austal's Motion Control enhances vessel seakeeping and reduces motion on board during adverse weather – ensuring a safer, more comfortable journey and experience for both crew and passengers. Communicating over a high performance, integrated digital network installed in your vessel, our Motion Control System comprises hydraulically, or electrically actuated control surfaces directed by commands from a central control unit.

Austal's Lifecycle Upkeep Sustainment Intelligence (LUSI) digital information management platform captures all relevant data from assets, asset management systems and engineering management systems that generates timely information.

Austal also offers asset certainty through effective support services that ensure optimum vessel availability and operations. Digitally enabled support includes engineering, maintenance, and supply support services along with training services and warranty management. These services are delivered through our global support network in the USA, Australia, South East Asia and the Middle East – together with partner shipyards worldwide.



MARINELINK products accesses the big data the vessel captures in real time. Harness your data to drive down fuel costs and improve the passenger experience.



Motion Control System is the smart, proven way to monitor, control and optimise vessel movement at sea – to deliver a better experience for your passengers and crew.



LUSI enables quality decision making and optimises maritime asset performance over the entire asset lifecycle.



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