

90M OPV OFFSHORE PATROL VESSEL

The Offshore Patrol Vessel is a highly versatile ship, designed to perform Economic Exclusion Zone management roles, including the provision of maritime security to coastal areas and effective disaster relief.



The 90 metre Offshore Patrol Vessel is based on the design of the smaller (80 metre) River Class vessels used by the UK Royal Navy and is a highly capable and versatile ship that is attractive to the export market. The ship's flexible design can be altered according to individual customer needs and requirements, meeting the operational requirements of navies around the world.

United Kingdom

We provide support to the UK Royal Navy's River Class ships under a contracting for availability arrangement. HMS Clyde, HMS Mersey, HMS Tyne and HMS Severn.

Thailand

We have a technology transfer agreement with Bangkok Dock, providing the design for a 90 metre Offshore Patrol Vessel for the Royal Thai Navy. Construction of the vessel is underway in Thailand, with engineers from our business working alongside Bangkok Dock to transfer design knowledge, technology and skills. HTMS Krabi.

Brazil

We are supplying three Ocean Patrol Vessels and ancillary support services to the Brazilian Navy, as well as a Manufacturing Licence to enable further vessels of the same class to be constructed in Brazil. P120 Amazonas, P121 Apa and P122 Araguari.

Weapons and sensors

Main armament: 30 mm	1
Secondary armament: 25 mm (port & starboard)	2
12.7mm gun location (port and starboard)	3
Air and surface surveillance radar	
X-band navigation radar	
S-band navigation radar	
Electro-optic system electronics	
Fire monitors	4

Mission capability

20 metre flight deck for seven tonne helicopter	5
16 tonne crane	6
6 x six metre ISO containers	7
Pacific 24, speed 39 knots	8
Fast interceptor craft	

Communications

High Frequency transceiver
Very High Frequency transceiver
Very High Frequency marine band
Global maritime distress safety system

Propulsion

2 x 7,350kw diesel engines
2 x Warstillia propellers

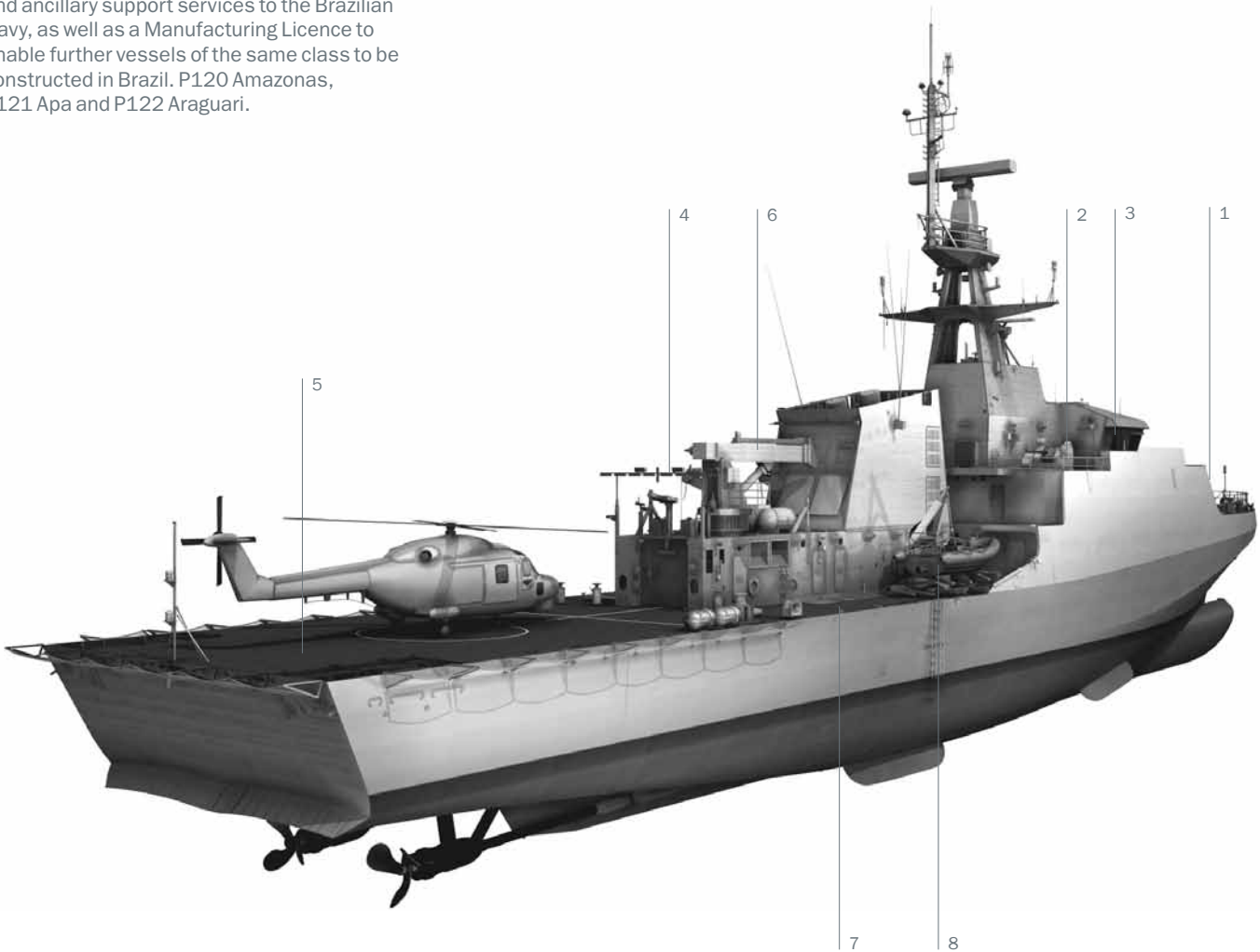
90 metre

Displacement	1,800 tonnes
Length	90 metres
Maximum beam	13.5 metres
Top speed	25 knots
Range	5,500 miles
Crew size	70*
Embarked troops/passengers	50
Endurance	35 days

80 metre

Displacement	1,700 tonnes
Length	81.5 metres
Maximum beam	13.5 metres
Top speed	20 knots
Range	5,500 miles
Crew size	36
Embarked troops/passengers	20
Endurance	21 days

*Accommodation provided for 70, but designed to be operable with a crew of just 36



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