



# **SURFACE WARSHIPS AND OPVS MARKET REPORT 2022**



# INTRODUCTION

## SURFACE WARSHIPS

**There are 1,181 Surface Warships larger than OPVs currently included in the world's naval fleets, operated by 63 countries. This represents a 9.4% increase over the last two years.**

There are currently 20 Aircraft Carriers in operation, with another four being built. Three countries (China, India and U.S.A) have aircraft carriers under construction, with a forecast 10 year market value of \$12 Billion. In addition, Japan is converting 2 CVHGs to Aircraft Carriers.

A total of 89 Large Amphibious Vessels are in service, with a further 15 being built and 10 more planned. Large amphibious vessel procurement programmes are under way in 10 countries: Algeria, China, India, Indonesia, Italy, Korea (South), Peru, Qatar, Turkey and the U.S.A. The market for large amphibious vessels is forecast at \$25 billion over the next decade.

**Cruisers** - Cruisers are only operated by Russia (4) and the U.S.A (22).

**Destroyers** - 231 Destroyers are in operation worldwide, with a further 24 being built for China, India, Japan, Korea (South) and the U.S.A. Plans and requirements exist for a further 41.

The estimated value of the market for destroyers over the next 10 years is \$48.75 Billion.

**Frigates** - 460 Frigates are operated worldwide, with 128 more being procured and a further 67 planned/required in a total of 24 countries, with a 10 year market value of \$58.5 Billion. The largest procurement programme in terms of numbers being built is in Russia (16), which also has the largest plans and requirements (13).

Regionally, 45% of the frigates being procured are in Europe (including Russia), with 25% in Asia-Pacific.

**Corvettes** - 355 Corvettes are operational with 57 more to be procured, and plans for a further 26 in a total of 14 countries. Russia (21) has the largest current procurement programme, with India (8) having the largest future plans and requirements. The value of current procurement programmes is forecast at \$2.54 billion, while the market for future plans and requirements is valued at \$1.16 billion.

The total market for new surface warships over the next 10 years is forecast at \$147.95 billion, which represents a 4.7% decrease in the last 2 years.



## OFFSHORE PATROL VESSELS

**Offshore Patrol Vessels (OPVs) are still the fastest growing segment of the naval vessels market. At least 26 countries are known to have a total of 165 OPVs on order and 27 countries have plans for up to another 212, at a total value of over \$30 billion.**

The total number of OPVs in operation worldwide has increased to 1,371 from 1,357 in the last year, an increase of 1.03%. 89 countries now operate OPVs or have them on order, a near 53% increase over the last five years. The number of OPVs in service has more than doubled over the last decade (increase of 207%), while the number on order has increased by 63%.

Asia has both the largest proportion of the current fleet (58%) and the numbers on order (44%). China, Japan and India have 72% of the Asian vessels between them, while India has 12.7% of the total vessels on order worldwide.

OPVs can be broadly classified into 2 types; 1) High-end war-fighting vessels with expensive weapon systems and C4I suites and 2) More basic patrol vessels, designed for sustained low intensity missions and equipped with basic gun armaments, standard navigation sensors, and built to commercial standards.

Which of these types a country chooses depends on its particular naval requirements, resulting from its geographic location, political aspirations, and intended role of its naval force. However, the majority of OPV programmes are of the cheaper multi-role variety: these are being used in an increasing number of roles, including fishery protection, pollution control, fire-fighting, salvage or search and rescue (SAR), counter-narcotics, humanitarian operations and exclusive economic zone (EEZ) patrol.



# COUNTRY-BY-COUNTRY PLANS AND PROGRAMMES



## Argentina

The Gowind OPV was purchased from France and commissioned in December 2019 as the Bouchard. A second OPV90 was commissioned in April 2021, with 2 more to enter service by 2022.



## Australia

Nine Hunter-class Frigates will replace the ANZAC Class Frigates from 2027. The Type 26 Design has been selected for this programme.

Twelve Offshore Patrol Vessels (Arafura class) are being procured for the Royal Australian Navy under Project Sea 1180. The first delivery is planned for 2021-2022, with all vessels to be delivered by 2030.



## Bangladesh

Bangladesh commissioned the last of four Shadhinota-class (Type C13B) corvettes in November 2020, estimated to have a unit cost of just \$75 million each. It also received two second-hand Type 053H3 Jiangwei II-class frigates from China in the same month.

A second batch of 5 Padma-class patrol craft is being built. A total of six OPVs were ordered in January 2020, to be locally-built. These are to replace the Island-class vessels.



## Brazil

The Navy Strategic Plan 2040 includes the procurement of four Tamandare-class Frigates, NPa500-BR Coastal Patrol Vessels and NPaOC-BR OPVs. An aircraft carrier Programme is also being discussed.

The Tamandare-class frigates are scheduled to be delivered from 2025-2028, with two more possibly to be procured at a later date.

Three Macae-class OPVs are in operation, with one more to enter service by 2022.

Five large OPVs (NPO 1800) are planned, with ultimately up to 12 vessels to be procured.



## Bulgaria

A contract for two Modular Multi-Role Patrol Corvettes was signed in November 2020.



## Canada

A report into the Canadian naval frigate programme has estimated that costs for the build of 15 UK-

designed vessels could exceed C\$80 billion.

However, the Canadian Department for National Defence (DND) is still planning to build 15 new frigates for the Royal Canadian Navy (RCN). The first steel is planned to be cut in 2023.

The Arctic Offshore Patrol Ship (AOPS) project was approved in 2007 for up to eight vessels. A contract was signed in January 2015 for 6 De Wolf-class vessels. The first vessel was commissioned in July 2020 and the second in 2021. Another two will enter service in 2022, with all six to be delivered by 2024. Two more are on order for the Coast Guard.



## Chile

A 5th Piloto Pardo-class vessel is expected to be procured.



## China

China commissioned several major naval vessels in April 2021, including a guided-missile cruiser and an amphibious helicopter carrier.

The Type 075 (Yushen-class) amphibious helicopter carrier Hainan and the Type 055 (Renhai-class) guided-missile cruiser Dalian have joined the PLAN (Navy).

The Hainan is the lead ship of a new class of amphibious assault ships being built for the Navy as it continues to boost its capabilities. At least two more Type 075s are under construction.

The Dalian is the second of the 10,000-ton Type 055 cruisers. At least eight Type 055s are currently under construction.



## Colombia

In January 2021, the Colombian Navy commissioned the former Korean Pohang-class corvette Almirante Tono into service.

The CPV46 programme (Punta Espada-class) is for fourteen locally-built OPVs, to be constructed by COTECMAR using a South Korean STX design. Three Fassmer OPV80 vessels have already been commissioned.

COTECMAR is designing a larger OPV than the 1,800 ton 20 de Julio class vessels, to meet a Colombian Navy requirement for longer-range patrol ships.

Colombia, for its part, is working on a new variant called OPV-93, of which two had been delivered by September 2020.



## Cyprus

The first of two new OPVs, the Commodore Andreas Ioannides, has entered service, with the second vessel due for delivery from 2020.



## Denmark

There are plans to replace the Thetis-class vessels. However, improved ASW capability is a priority.



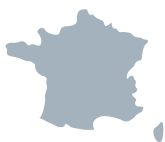
## Egypt

The German Bundestag approved the sale of six frigates to Egypt in 2019. However, four MEKO A200s are actually on order with the first to be launched in 2021.



## Finland

A new class of four Multi-role Corvettes is planned to replace the four Rauma-class patrol boats and two Hameenmaa-class minelayers.



## France

A total of 15 FDI (Frégate de Défense et d'Intervention) frigates are planned for the French Navy, the first of which is scheduled for delivery in 2024.

The Naval Group has delivered the FREMM frigate Alsace, the first multi-mission frigate with enhanced air defense capabilities, to the Organisation for Joint Armament Co-operation (OCCAR),

The first six FREMMs (Aquitaine, Provence, Languedoc, Auvergne, Bretagne and Normandie) were delivered between 2012 and 2019 and were designed for anti-submarine warfare.

Alsace and the eighth frigate, Lorraine, which is scheduled for delivery in 2022, will have exactly the same anti-submarine capability as the first six, but with the addition of strengthened anti-aircraft capabilities.

The Naval Group and the Chantiers de l'Atlantique have formed the joint venture MO Porte Avions to manage France's new generation aircraft carrier programme. The JV was signed in Lorient on March 29 2021.

France ordered six 70-meter-long (230-foot-long) offshore patrol vessels from Socarenam in December 2019, a shipyard in Boulogne-sur-Mer on the country's northern coast, to patrol its vast economic exclusive zone. These are Felix Eboué-class vessels and will replace the P400 vessels.

The ships will be delivered to the French Navy between 2023 and 2025.

The ships, known in France as POM (patrouilleur outre-mer), will be based in France's Pacific Ocean territories of New Caledonia and French Polynesia, and the French overseas department in the Indian Ocean, Réunion. Some of the ships will join the Pacific fleet at the Nouméa naval base in New Caledonia and at Fare Ute Papeete in Tahiti. Others will join the Indian Ocean fleet at Port Réunion.

The Batsimar programme may be split in two, with six small patrol boats procured first, followed by ten OPVs later to replace the A69s and other patrol vessels from c.2025.



## Germany

A contract for three 86 metre patrol ships was signed in December 2016, for service-entry from late 2019, with the Coast Guard. These are Potsdam-class vessels, all three of which have now been commissioned.



## Greece

In late 2021, Greece plans to choose a foreign shipbuilder to work with its domestic shipbuilding industry on a complex programme to provide new frigates for the Hellenic Navy.

Contenders include Babcock of the UK (offering the Arrowhead 140 design), Dutch shipyard Damen (Sigma 115115HN), the Italy-based Fincantieri (Bergamini-class FREM multi-mission frigate), Lockheed Martin of the US (Multi-Mission Surface Combatant, derived from the Littoral Combat Ship), French shipbuilder Naval Group (Fregate de Defense et d'Intervention, or FDI), and Germany-based TKMS (with the MEKO A-200NH/A-300).

Naval Group, MBDA and Thales are offering four new-build frigates in the FDI HN design and two second-hand vessels, plus an upgrade to the four MEKO 200HN vessels in service with the Hellenic Navy.

Such was the interest shown by Greece in this new frigate that Athens signed a letter of intent for two FDI HN vessels in 2019.

The Hellenic Navy also wants to modernise its four Meko 200HNs and procure an additional gap filler capacity, and so Naval Group is proposing to provide two ships currently in service with the French Navy: the anti-air warfare frigate Jean Bart and the anti-submarine warfare vessel Latouche Treville.

The two ships will have to be delivered in 2022 if Naval Group wins the competition.

The first FDI HN frigate would be built in France and delivered in 2025, with the remaining three to be built in Greek shipyards.



## India

Seven Project 17a (Shivalik) Frigates are planned to enter service from 2022-2025.

A Request for Information (RFI) was issued by the Indian Navy in January 2018 for 6 OPVs of 2,500 tonnes. The project received approval in August 2018.

A contract for eight OPVs (since reduced to six) for the Coast Guard was announced in March 2011, but the construction programme has not yet commenced.

The first Project 21 OPV of five was commissioned in 2019.



## Indonesia

Fincantieri has signed a contract to sell six FREMM frigates to Indonesia.

In addition to the FREMM sales, the contract also covers the refurbishment and sale to Indonesia of two Maestrale-class frigates which are due to be retired from service by the Italian Navy.

New patrol craft are also reportedly under construction.



## Iran

In late 2020, the IRGC(N) introduced into service a large multirole surface combatant.

Named the Shahid Rudaki, the vessel is called an 'ocean-going aircraft carrier warship'.

The IRIN's legacy fleet consists of three remaining 1,100t Alvand-class corvettes, from which the Mowj-class vessels are derived.

In addition, two of four initially delivered 1960s-era Bayandor-class corvettes are still in service. In addition, Approximately ten Kamand-class patrol vessels remain in service, displacing around 250t and featuring ASuW missile systems and 76mm main guns.



## Ireland

The Naval Service Replacement Programme is for the replacement of all eight patrol ships by 2025. A replacement programme for the Ethne-class OPV is already in advanced planning.



## Israel

Israel has received the final two Sa'ar 6-class vessels out of an order of four from Thyssenkrupp Marine Systems, which has completed the delivery of two ships, the INS Atzmaut and the INS Nitzachon, to the Israeli Navy.

A contract for four vessels was signed in May 2015, the first two ships being delivered in November 2020 and May 2021 respectively. The total cost of the acquisition of the four ships for Israel is estimated at \$3 billion.

The Sa'ar 6-class vessels will replace the Sa'ar 5-class ships, offering enhanced attack capabilities.



## Italy

In its 2021-2023 multi-year defence planning document, the Italian Navy plans to commit funds to develop its DDX future destroyer. The future destroyers will replace the two De La Penne-class vessels from 2028.

The Italian Navy is procuring a new class of frigate-like Pattugliatore Polivalente d'Altura (PPA) multipurpose offshore patrol vessels under the Legge Navale (Naval Law) fleet recapitalisation programme approved in 2015. A contract to build an initial batch of six vessels was awarded to Fincantieri in May 2015, with an option for a seventh exercised later.

The long-term requirement is for a class of sixteen ships.

The ships will be built in three versions: light, interim, and full combat. Of the seven units ordered, two will be fully combat capable, three units will have interim capabilities (some systems fitted 'for but not with'), and two will be patrol (light) vessels.

Deliveries will start in 2021, with the final ship expected to be handed over by 2026. The first full combat variant will be delivered in 2024.

The EPC (European Patrol Corvette) programme is a requirement for up to 6 vessels to replace the 'Cassiopea' and 'Sirio' class vessels. This may be a joint programme with France and Spain. The first vessel is due to enter service in 2027.



## Japan

The two Izumo-class Helicopter Carriers are planned to be converted into aircraft carriers.

A 5,500 tonne Future Multi-Mission Frigate is being built.

The FY2018 defence budget included twelve patrol vessels, and the FY2019-2023 budgets include four.



## Kazakhstan

The Kazakh government plans to acquire Corvette-sized patrol craft.



## Korea (South)

The Mid-Term Defence Plan for 2021-2025 includes a Light Aircraft Carrier, which is planned to enter service in 2033. The design was due to be completed in 2020.

Six new OPVs are reportedly to be acquired by the Maritime Police. These will include three 3,000 ton helicopter-capable ships and three 1,500 ton ships. 50 and 100 tonne patrol vessels are also reportedly under construction.



## Lebanon

The Lebanese Navy will receive seven offshore patrol vessels, including four with assistance from France and three Protector-class OPVs that will be delivered as a result of U.S. military aid.

Currently, French shipbuilders are planning to supply Lebanon with four OPV frigates, of 65- and 75-metres length each.

In early May, the U.S. Defence Department notified Lebanon of the planned delivery in 2022 of the three Protector-class patrol vessels.



## Malaysia

Four Littoral Mission Ships are being procured, with a total of 18 eventually planned. The first was commissioned in 2020.

Three Tun Fatimah-class (OPV-1800s) are on order for the Malaysian Coast Guard, with the first launched in 2021.



**Malta**

A contract was awarded in October 2018 for a P 71 Class OPV, which was launched in February 2021.



**Mauritania**

Mauritania has developed a five-year plan to build its navy into a force capable of defending the country's 235,000 km<sup>2</sup> exclusive economic zone. The plan includes the acquisition of two 60m vessels, which are reportedly under construction.



**Mexico**

All eight units of the OAXACA-class OPVs have now been commissioned.



**Morocco**

More OPVs are reportedly projected; exact figures are unknown, but thought to be three.



**New Zealand**

Both ANZAC Frigates are being upgraded, but their replacement has been deferred until the 2030s.

The Royal New Zealand Navy has a requirement for a new OPV, capable of operating in extreme southern conditions. An RfI was issued on the 11th May 2021. The vessel is known as the Southern Ocean Patrol Vessel (SOPV).



**Nigeria**

A further eight OPVs were planned to enter service by 2020, but no confirmation has been provided.



**Norway**

Norway is accelerating the acquisition of three new coastguard vessels to replace the current Nordkapp-class.

A contract was awarded in June 2018 and construction started in 2018, with delivery between 2022 and 2024.

The first vessel is being procured under Project 6615, while the other two vessels will be procured under Project 3049. They are now known as the Jan Mayen-class.



**Pakistan**

A contract was signed for two OPV 1900 vessels in June 2017, for commissioning in 2022.



**Peru**

In mid-September 2013 the Peruvian Navy (MGP) selected an OPV design from South Korea's STX Offshore & Shipbuilding, and signed an \$83 million contract for the licensed- production of five vessels at Peru's SIMA shipyards. A sixth has now been ordered, with an option for four more. These have now been named as the Rio Pativilca class. Two were due to be commissioned in 2020.

Three more OPVs are planned, with a first batch of two vessels to be ordered by 2023.



**Philippines**

Two multi-role response ships were planned to be delivered from Japan in 2020 and 2021.

A total of 18 OPVs are eventually planned – they may be operated by the Coast Guard.

The Horizon 2 plan which runs from 2019-2023 includes 6 OPVs.

The Horizon 3 plan which runs from 2024-2028 includes 12 OPVs.



**Poland**

ThyssenKrupp Marine Systems has been shortlisted to prepare a concept design and feasibility study for the Polish Navy. This has occurred as part of Project Miecznik, which will procure multi-mission frigates for the Polish Navy.

The offer includes the Meko A-300 PL, the most up-to-date variant of the Meko frigate family.

Three frigates are planned to be procured, but the initial focus is on acquiring one vessel. The total cost of the three frigates is estimated to be between \$1.8 billion to \$2.3 billion.

It was originally intended that the contract to build the frigates would be signed by the end of the first half of 2021, but this has not occurred. However, significant delays are not expected.

The Polish Navy has plans for three Offshore Patrol Vessels (OPVs) for service-entry by 2026.

The Polish Navy's new patrol vessel ORP Slazak was due to commission in 2019.



**Portugal**

Plans to procure another six Viana do Castelo-class OPVs were approved in May 2021. The programme will commence in 2023.



**Qatar**

In August 2017, Qatar confirmed its order for seven vessels from Italian shipyard Fincantieri, following the signing of a preliminary contract in June 2016. The deal consists of four corvettes, two offshore patrol vessels and one landing platform dock. The first Musherib-class OPV was launched in September 2020.

The delivery of the first two units – one corvette and one offshore patrol vessel – is expected in 2022.



**Romania**

Four Gowind frigates are to be delivered after 2022.



**Russia**

Two Project 23550 class OPVs are planned for delivery in 2023-2024.



**Saudi Arabia**

On July 24, Spanish shipbuilder Navantia launched Jazan as the fourth Avante 2200 corvette out of an order for five for the Royal Saudi Navy. The vessel is scheduled for delivery to Saudi Arabia in 2023.

The Avante 2200 programme commenced in late 2018 and Navantia launched the first vessel, the Al-Jubail, in July 2020. The second and third (Al-Dariyah and Hail) were launched in August 2020 and March 2021 respectively. The delivery of the final vessel is planned in 2024.

A total of 20-25 patrol vessels are reportedly planned.



**Senegal**

A contract was signed in November 2019 for three 60-metre OPVs. The first steel was cut in October 2020 and the first vessel will be delivered by 2024.



**South Africa**

Under Project 'Biro', three multi-mission OPVs were to be built in South Africa, but this project is currently on hold.



**Spain**

Spanish shipbuilder Navantia has sealed its participation in the upcoming development of the European Patrol Corvette, a signature naval programme that is part of the European Union's defence efforts.

The notional European Patrol Corvette is planned to be a coast guard-type ship able to perform missions of fighting pirates and smugglers as well as border control and show-of-force trips in Europe's waters. At 100 meters and 3,000 tons, it will replace "several classes of ships, from patrol vessels to light frigates" in participating countries come 2027.

Italy has the lead on the patrol corvette project. The governments of France, Spain, and Greece have already signed up, and Portugal is reportedly considering doing the same.

A new batch of Buque de Proteccion Maritima (BPM) OPVs (the first batch of 6 were Buque de Accion Maritima (BAM)) is expected in 2025, and a third batch is under study.



**Sri Lanka**

Nine OPVs are planned by 2025 (eight of which will be delivered by 2022).



**Taiwan**

After commissioning a prototype corvette in late 2014, Taiwan has received the first of the follow-on series.

The 'High-Efficacy Vessel Follow-up Programme' corvette was delivered to the Republic of China Navy (ROCN) on the 27th July. The final evaluation of Ta Chiang was conducted during sea trials in May, and it was set to be commissioned in August 2021.

Taiwan has also launched the first of a new class of multi-mission amphibious ships.

The landing platform dock, named Yu Shan, was launched in April 2021.

The Yu Shan is scheduled to enter service with Taiwan's Navy in 2022

Taiwan has a requirement for four LPDs to replace

the Navy's current amphibious fleet, which is made up of two Newport-class landing ship tanks and a single Anchorage-class landing ship dock.

The procurement of new patrol ships to be delivered by 2030 is in progress.

A contract was awarded for 4 OPVs in July 2018 for the Coast Guard; the first vessel has already been delivered.



**Turkey**

On January 23 2021, Turkey launched its first locally-built frigate, the I-class TCG Istanbul, advancing a programme that involves the production of four corvettes and four frigates.

Under the MILGEM programme, Turkey manufactured and delivered four Ada-class corvettes to the Navy. The Istanbul is the first of the four I-class frigates. The vessel will be delivered to the Navy in 2023.

Up to eight new patrol craft are required for the coast guard. An RFP is expected.



**U.A.E**

The UAE has awarded a contract to Abu Dhabi Ship Building to produce four Falaj 3-class offshore patrol vessels.

Work is expected to commence in late 2021 to ensure the completion of the contract by 2026.



**U.K.**

Eight Type 26 and five Type 31 Frigates are planned to replace the Type 23 Frigates from 2025. In addition, a Type 32 Frigate is under study.

Five of the Royal Navy's Type 45 destroyers are unavailable for deployment, leaving just one warship in the class capable of operations. Four of the Type 45s currently unavailable are in various stages of maintenance or upgrade.

At present, HMS Daring, HMS Duncan and HMS Dragon are docked, undergoing maintenance. HMS Dauntless is undergoing an essential power improvement programme.

The UK RN will lose two Type 23 frigates from its current surface fleet following the publication of the Defence Command Paper.

Two Batch 2 OPVs will be forward-deployed from Gibraltar and the Indo-Pacific. The UK naval logistics facility at Sembawang in Singapore is likely a key hub for the latter deployment.



**Ukraine**

There are plans to acquire an OPV of around 1,000 tons.

The U.S. is donating five Island-class patrol boats, formerly used by the U.S. Coast Guard, to Ukraine. Two were delivered in 2018, and another three approved in a 2019 request are being prepared for transfer.

Ukraine plans to eventually procure larger corvettes and frigates in the next decade.

In July, it was revealed that Ukraine has ordered two Ada-class corvettes in a December 2020 deal.

The two vessels will be co-produced by Turkey's state-controlled defence technologies company STM and a Ukrainian shipyard. The first vessel is to be delivered to Ukraine by the end of 2023 uncompleted, and then completed in Ukraine.



**Uruguay**

OPVs are an option to replace frigates.



**USA**

The US Navy officially christened its newest Freedom-class Littoral Combat Ship (LCS), the future USS Nantucket (LCS 27), on August 7. Construction of the vessel, the 14th Freedom-class LCS out of 16 planned, began in October 2019. LCS 29 was laid down on the 22nd July 2020 and is the 15th Freedom-class vessel. LCS 31, the future USS Cleveland, was laid down on the June 18 2021 as the final ship of its type.

The U.S. Navy is not looking to procure the first DDG(X) vessels until fiscal year 2028 as it struggles to define what the ship will be.

The Navy expects that its large surface combatant fleet, now made up of about 92 cruisers and destroyers, will fall to about 74 in the future, reflecting the Navy's preference to make smaller combatants the workhorse of the fleet and save DDGs for where they are most needed.

FY22 preliminary design will lead to a FY26 detail design, and ultimately FY28 construction.

In July 2021, the U.S. announced a \$553.9 million contract to acquire its second FREMM vessel – part of an expected order of ten – after the

vessel was selected last year, to meet the FFG(X) requirement. Given the class name Constellation, the delivery of the first U.S. vessel is expected in 2026.

The second America-class Large Amphibious Vessel, the USS Tripoli, was commissioned in July 2020.

As the centrepiece of the USCG fleet's recapitalisation effort, a fleet of eleven NSCs is being acquired to replace the coastguard's ageing fleet of Hamilton class cutters.

The Offshore Patrol Cutter (OPC) programme, now known as the Heritage class, is expected to procure 25 vessels, making it one of the largest ever USCG acquisition efforts. These will replace thirteen Famous Cutter class and 14 Reliance class ships.

First commissioning is scheduled for 2021.

FRC – Fast Response Cutter (Sentinel class)

- 48 under contract, with 58 total planned

- 5-6 ships per year being procured

- 32 in service, plus sixteen on order and ten planned.



**Venezuela**

Six Stan Patrol 5009 OPVs and six Stan Patrol 4207 CPVs were ordered at a cost of \$302 million. No OPV deliveries have been recorded yet.



**Vietnam**

Two DN 4000 OPVs are being built in the Song Thu shipyard.





# SURFACE WARSHIPS INVENTORY BY CLASS OF SHIP

COUNTRY	AIRCRAFT CARRIERS /LARGE AMPHIBIOUS VESSELS	CRUISERS/ DESTROYERS (DESTROYERS UNLESS STATED)	FRIGATES	CORVETTES	FUTURE PLANS
<b>Algeria</b>	1+(1) Kalaat Beni Abbas		3 Mouraid Rais 2+(2) Erradii (MEKO 200). Option on 2 more reported 3 Adhafer (C28A)	3 Djebel Chenoua 3 Rais Hamidou (Nanuchka I) 1 C.62 Class	
<b>Argentina</b>		4 Almirante Brown (1 in reserve) 1 Hercules	6 Espora 1 Drummond		
<b>Australia</b>	2 Canberra LHD 1 Choules LSD	3 Hobart	8 Anzac 1 Kusal (Petya II)		Future frigate (9) – Hunter Class to replace Anzacs from c.2027 – Project Sea 5000. Bae Systems Type 26 selected as preferred option.
<b>Azerbaijan</b>					
<b>Bahrain</b>			1 Sabha (Perry)	2 Al Manama	
<b>Bangladesh</b>			1 Osman 1 Bangabandhu (Mod. Ulsan) 2 Abu Bakr (Jianghu III) 2 Somudra Joy (Hamilton and Hero)	2 Bijoy (Castle Class) 4 Shadhinota	
<b>Belgium</b>			2 Leopold I (M Class)		Strategy Vision 2030 calls for replacement of M class
<b>Brazil</b>	1 Garcia D'Avila (LSDH) 1 Atlantico (LPH) (ex-HMS Ocean)		2 Greenhalgh (Broadsword) 5 Niteroi	1 Barroso 2 Inhauma 0+4 Tamandare - Delivery 2025-2028	
<b>Bulgaria</b>			1 Smeli (Koni) 3 Drazki (Wielingen)	1 Molnya (Tarantul I) 2 Reshitelni	2 Corvettes on order
<b>Canada</b>			12 Halifax		Canadian Surface Combatant (CSC) to replace Iroquois and Halifax from 2025- 2035 (15). BAe Systems Type 26 selected as preferred design.
<b>Chile</b>	1 Sargento Aldea (Foudre) LSDH		2 Amirante Riveros 2 Almirante Lattore 3 Cochrane 1 Almirante Williams (Broad-sword)		
<b>China</b>	2+1 Liaoning – 6 Yuzhao LPD 1+2 Yushen LHD	2 Luzhou 4 Sovremenny 2 Luyang I 6 Luyang II 25 Luyang III 2+6 Renhai 1 Luhai 2 Luhu	10 Jiangwei II 1 Jianghu III 30 (3) Jiangkai II 2 Jiangkai I 4 Jianghu I/I Upgrade	55 Jiangdao	Type 057 Trimaran Frigate programme reported
<b>Colombia</b>			4 Almirante Padilla 1 Narino 1 Almirante Tono		
<b>Croatia</b>					Plans to acquire 2 Corvettes
<b>Denmark</b>			4 Thetis 3 Iver Huitfeldt 2 Absalon (Combat Support Ship)		
<b>Ecuador</b>			2 Moran Valverde (Leander)	6 Esmeraldas	Replacement of Leanders under consideration – Damen 9813 reportedly a candidate
<b>Equatorial Guinea</b>			1 Wele-Nzas 1 Bata		

COUNTRY	AIRCRAFT CARRIERS /LARGE AMPHIBIOUS VESSELS	CRUISERS/ DESTROYERS (DESTROYERS UNLESS STATED)	FRIGATES	CORVETTES	FUTURE PLANS
<b>Egypt</b>	2 Gamal Abdel Nasser (Mistral) LHD		4 Alexandria (Perry) 2 Damyat (Knox) 1 Tahya Misr (Aquitaine) 2 Abu Qir (Descubierta) 2 Najim Al Zaffer (Jianghu I) 0+4 MEKO A200 – First 3 to be launched in 2021	4 El Fateh (Gowind) – Delivered 2017-2020 1 Shabab Misr	
<b>Estonia</b>					Procurement of a Corvette-sized ship under consideration 4 Multi-Role Corvettes planned
<b>Finland</b>					
<b>France</b>	1 Charles De Gaulle 3 Mistral LHD		5 La Fayette 6 Floreal – service life to 2030 1 Cassard 1 Mod. George Leygues – 2 Forbin 6+2 Aquitaine – 2022 (1); 2023 Commission		5 Frigate de Taille Intermediaire (FTI) planned – 2023- 2029 to replace La Fayette
<b>Germany</b>			4 Brandenburg 1 Bremen – Decommissions in 2021 2 Baden Wurttemberg 3 Sachsen	5 + 5 Braunschweig (second batch on order for 2022-2025 delivery)	0+4 (2) MKS-180 Corvettes in 2 batches to replace Brandenburgs. 1st Commissions in 2027. IOC 2028
<b>Greece</b>			4 Hydra 9 Elli 0+4 Frigates from 2025		
<b>India</b>	1 Mod. Kiev - Vikramaditya 0+1 Vishal 0+1 Project 71 - Vikrant 1 Jalashwa (Austin) LPD	3 Delhi 4 Rajput 3+4 Kolkata	1 Godavari 6+4 Talwar 3 Shivalik 3 Brahmaputra 0+7 Shivalik II – delivery 2022; 2023 (2); 2024 (2); 2025 (2)	4 (8) Kamorta – 3 Abhay 4 Kora 4 Khukri 8 Veer	2 Indigenous Aircraft Carriers (IACI+II) being built 4 Large Amphibious Vessels required – Tenders issued in November 2013. Short-listed in 2016 7 Project 17a (Shivalik) Frigates planned – 2022-2025
<b>Indonesia</b>	5+1 (1) Makassar LPD 6th ordered January 2017; Discussions on 7th ongoing			4 Diponegoro 2 Fatahillah 14 Kapitan P atimura	
<b>Iran</b>				2 Bayandor	Loqman New Frigate Project- No progress reported 2 Corvettes (from Italy) are unlikely to be refitted for operational service still in Italy, awaiting delivery
<b>Iraq</b>					
<b>Israel</b>				3 Eilat 4 Magen (Sa'ar 6)	
<b>Italy</b>	1 Cavour 1 Garibaldi LPH 1 San Giusto LPD 0+1 LHDM – Commissions 2022	2 De La Penne (OOSD – 2024-2025) 2 Andrea Doria	4 Maestrale (to decommission by 2024) 8+2 Bergamini (FREMM) - Last 2 Commission in 2021 0+7 (3) PPA – delivery 2021-2026		Long-term requirement for 16 vessels in total
<b>Japan</b>	2 Hyuga CVHG 2 Izumo CVHG 3 Osumi LPD/LSTH	2 Atago 4 Akizuki 1+1 Improved Atago - Commission 2020-2021 4 Kongou 2 Hatakaze 5 Takanami 9 Murasame 8 Asagiri 2 Hatsuyuki 2 Asahi	6 Abukuma		At least 1 Amphibious Assault Ship under consideration – no progress 30DD Frigate programme – 8 vessels to replace Abukumas. Programme to commence 2018 – first delivery in 2022.
<b>Korea (North)</b>			2 Najin	4 Sariwon 1 Tral	
<b>Korea (South)</b>	1+1 Dokdo LHD 4 Cheonwangbong (LPD) 4 Go Jun Bong (LSTH)	6 Chungmugong Yi Sun-sin (KDX-2) 3 Gwang Gae To Daewang (KDX-I) 3 +3 Sejong Daewang (KDX-3) Contract for second batch of 3 signed June 2016 – to enter service 2023-2027	4 Ulsan 6 Incheon (FFX-I) 2+(5) FFX-II – First 2 commissioned, 1 commissions in 2021 and 1 in 2022 – up to 8 vessels expected – 3rd batch of at least 6 vessels planned FFX-III – 1st under contract	12 Po Hang	Construction of larger amphibious vessel under consideration
<b>Libya</b>			1 Al Hani		Non-operational

COUNTRY	AIRCRAFT CARRIERS /LARGE AMPHIBIOUS VESSELS	CRUISERS/ DESTROYERS (DESTROYERS UNLESS STATED)	FRIGATES	CORVETTES	FUTURE PLANS
Malaysia			2 Lekiu	2 Kasturi 4 Laksamana 6 Kedah 1+ 5 Maharaja Lela Commission 2021;2022 (2); 2023 (2)	Multi-Purpose Command and Support Ship (MPCSS) Requirement – 2 Vessels
Mexico			1+7 Reformador (Sigma 10514)– First ordered 2017. Class of 8 expected		
Morocco			1 Lt. Col. Errhamani 2 Mohammed V 1 Tarik Ben Ziyad (SIGMA) 1 Mohammed VI (FREMM) 2 Sultan Moulay Ismail (SIGMA 9813)		
Montenegro			2 Kotor (1 in reserve)		
Myanmar			1 Aung Zeya 2 Kyansitthar 2 Jianghu II 2 Mahar Bandoola (Type 053)	3 Anawrahta	
Netherlands	1 Rotterdam LPD 1 Johan de Witt LPD		2 M class 4 De Zeven de Provinciën		M class frigate replacement programme from mid 2020s (2)
New Zealand			2 Anzac		Weapons upgrade under way
Nigeria			1 Aradu 2 Thunder (Hamilton & Hero)	1 Enyimi	
Norway			4 Fridtjof Nansen	6 Skjold	Skjold Class FACs are classified as Corvettes in Norway
Oman				2 Qahir 3 Al Shamikh	
Pakistan			4 Tariq 4 Zulfiqar 1 Alamgir	0+4 Ada (MILGEM) – 2023-2025 Delivery. 0+4 Type 054	From China
Peru	1+1 Pisco (LPD)		3 Carvajal 4 Aguirre		
Philippines			3 Del Pilar	3 Jacinto 2 Rizal 1 Conrado Yap (Po Hang )	
Poland			2 General Pulaski	1 Kaszub 3 Orkan	3 Miecznik Corvettes planned to replace Orkans. Delivery from 2024.
Portugal			2 Bartolomeu Dias 3 Vasco De Gama (Mid-life refits planned 2020-2024)	1 Baptiste de Andrade 1 Joao Coutinho	No progress on NAVPOL Amphibious project. No acquisition likely until mid-late 2020s.
Qatar	0+1 LHD – Contract announced 2016. Delivery by 2024.			0+4 Doha – 1st Completes in 2021. All 4 for delivery by 2024.	
Romania			2 Regele Ferdinand 1 Marasesti	2 Tetal 2 Improved Tetal	4 frigates d/d after 2022
Russia	1 Kuznetsov	Cruisers: 1 Kirov 3 Slava  Destroyers: 7 Udaloy 1 Udaloy II 3 Sovremenny	2 Neustrashimy 2 Krivak 2 Gepard 5+5 Steregushchiy 1+1 Steregushchiy II 3+4 (2) Admiral Grigorievich Frigates (commission - 2021 (2) 2+2 (11) Admiral Gorshkov - vessels to replace Krivaks 0+2 Gremyashiy (Project 20385) 0+2 Derzkiy (Project 20386). Commission 2021; 2023 (Up to 10 planned) 3 Krivak III (Border Guard)	2 Dergach 11 Nanuchka I/III 6 Parchim II 23 Tarantul 0+6 Bykov Project 8+5 Buyan-M (Project 21631). 2+10 (6) Karakurt (Project 22800). 21 Grisha	Requirement for 4 Aircraft Carriers, but no funding yet. LIDER destroyer programme (Project 23560) – 12 ships planned – construction from 2025 – to replace Udalays and Sovremennyys)
Saudi Arabia			4 Madina (1 non-operational) 3 Al Riyadh	4 Badr 3+2 Avante 2200 (last 2 for delivery 2023-2024)	
Singapore	4 LPDM – Endurance Class		6 Formidable	6 Victory 8 Independence Class – to replace Victories	

COUNTRY	AIRCRAFT CARRIERS /LARGE AMPHIBIOUS VESSELS	CRUISERS/ DESTROYERS (DESTROYERS UNLESS STATED)	FRIGATES	CORVETTES	FUTURE PLANS
South Africa			4 Amatola		Requirement for LPD reportedly being formulated
Spain	1 Juan Carlos I LHD 2 Galicia LPD		5 Alvaro de Bazan 6 Santa Maria 0+5 Bonifaz (F110) Commission 2026-2031		For replacement by F110s.
Sweden				5 Visby 2 Gavle	A project for replacement of the Gavle class from c.2026 is under consideration
Syria			1 Petya III		No longer operational – may have been sunk in live fire exercise by Russians
Taiwan	1 Shiu Hai LSDH	4 Keelung	6 Chin Yang (Knox) 10 (2) Cheng Kung 6 Kang Ding	1 Ta Chiang	Plans to acquire 4 indigenously built destroyers, reported in 2016 New programme under way for further amphibious ship
Thailand	1 Chakhri Naruebet 1 Endurance class LPD		2 Naresuan 4 Chao Phraya (2 training) 2 Phutta Yotfa Chulalok 1 Makut Rajakumarn 1+1 Bhumibol Adulyadej (DW3000 South Korean Design)	2 Rattanakosin 3 Khamronsin 2 Tapi	
Turkey	0+1 LHD – Commissions in 2021.		4 Yavuz 4 Barbaros (to be modernised 2022-2024) 8 Gabya 0+4 Istanbul (TF100) – 1st launched January 2021 Commission 2021;2022;2023;2024	4 Ada (MILGEM) 6 Burak	Turkish Frigate 2000 project- up to 7 vessels from 2024
UAE				-6 Baynunah 2 Muray Jib 2 Ganthoot 1 Abu Dhabi	
UK	2 Queen Elizabeth – 2 Albion LPD	6 Daring - (Engine upgrade from 2019-2024)	13 Duke- decommission from 2023 – Capability Sustainment Programme under way 0+5 Arrowhead 140 (Type 31) – Delivery from 2023 0+3 (5) Type 26 (City Class) – Delivery from mid 2020s		
Ukraine			1 Hetman Sagaidachny 3 Vinnitsa (Grisha class) 0+1 (3) Project 58250 – Planned to enter service 2022-2028	0+2 Ada class – delivery from 2023	
Uruguay			1 Uruguay		Requirement to replace Uruguay - no timescale yet announced
USA	10 Nimitz 1+1 (1) Gerald Ford – Commission 2022 and 2027 8 Wasp LHD (1 non-operational) 12 Whidbey Island LSD 10+3 San Antonio LPD- to replace Austins – next commission 2021 and 2022 2+1 (2) America LHA – to replace Tarawas – Class of 5 planned.	Cruisers: 22 Ticonderoga (HM&E and C51 Upgrades planned)  Destroyers; 28 Arleigh Burke Flight I+II (mid-life modernization in progress) 40+7 Arleigh Burke Flight IIA Next Commission 2021 (3); 2022 (1); 2023 (1) 0+2 (29) Arleigh Burke Flight III - First 2 commission 2023 2+1 Zumwalt	14+2 Freedom - Commission - 2021 (2) 9+5 Independence (LCS) Commission 2021 (1), 2022 (1) 0+2 FFG(X) – Total of 10 expected		LPD 30 to commence low-rate replacement of Whidbey Island Class from FY20. 31 Littoral Combat Ships (LCS) under contract (Freedom and Independence). DDG(X) – 1st expected in FY28 Last of 3 on sea trials
Venezuela			3 Mariscal Sucre (1 non-operational)		Procurement of 1 or more LPD planned
Vietnam			4+ (2) Dinh Tien Hoang- 2 5 Petya 1 Po Hang	1 BPS 500 12 Tarantul/ Tarantul V (negotiations for 4 to be built locally)	

**ACRONYMS**

d/d delivery date(s) ● s/e service entry ● comms. date of commissioning

Figures in brackets are planned procurements as opposed to firm orders

# WORLD OPV FLEETS, PLANS AND REQUIREMENTS

COUNTRY	CURRENT OPVs	FUTURE PLANS
<b>ALBANIA</b>		2 OPVS WERE REPORTEDLY PLANNED BY 2020
<b>ALGERIA</b>		UP TO 6 OPVS REPORTEDLY PLANNED
<b>ANGOLA</b>	2 DAMEN 6210 CLASS 5 OPV 0+7 NAPA 500	MOU SIGNED 5/9/2014 – PROJECT MAY BE SUSPENDED FOR FINANCIAL REASONS. NO PROGRESS REPORTED8
<b>ARGENTINA</b>	2 CHEROKEE CLASS 1 OLIVIERI CLASS 4 NETTEGAZ CLASS 2+2 OPV 5 HALCON CLASS (COAST GUARD) 1 PATROL SHIP (COAST GUARD)	GOWIND + 3 OPV 90 BY 2022
<b>AUSTRALIA</b>	3 OPVs (MARITIME BORDER COMMAND) 0+12 ARAFURA CLASS (SEA 1180 PROJECT) 10 CAPE CLASS (MARITIME BORDER COMMAND)	12 OFFSHORE COMBAT VESSELS (OCVs) TO BE PROCURED BY 2030 UNDER PROJECT 1180. FIRST DELIVERY IS PLANNED FOR 2021-2022. ALL TO BE DELIVERED BY 2030..
<b>AZERBAIJAN</b>	2 BRYZA CLASS 1 SHELON CLASS 1 VIKHR CLASS (BORDER GUARD) 5 PROJECT B-92 OPV (BORDRR GUARD) 6 TUFAN CLASS (BORDER GUARD)	
<b>BANGLADESH</b>	1 MADHUMATI CLASS 6 ISLAND CLASS 5+5 PADMA CLASS 1 HAINAN CLASS 2 MEGHINA CLASS 1 HAIZHUI CLASS 2+2 SHOBJU BANGLA CLASS (COAST GUARD) 0+3 SONAR BANGLA CLASS (COAST GUARD) 4 SYED NAZRUL CLASS (COAST GUARD) 0+6 OPVs	2ND BATCHOF 5 PADMA CLASS BEING BUILT
<b>BELGIUM</b>	2 CASTOR CLASS 1 SURVEY SHIP	ORDERED JANUARY 2020 – TO REPLACE ISLAND CLASS COMMISSIONED IN 2014 AND 2015 WAS TO BE REPLACED IN 2020
<b>BRAZIL</b>	3+1 MACAE CLASS (NAPA 500) 12 GRAJAU CLASS 4 BRACUI CLASS 3 AMAZONAS CLASS	LAST COMMISSIONS IN 2022 20 NPA 500T OPV PLANNED ORIGINALLY BUILT FOR TRINIDAD & TOBAGO 5 NPO 1800 PLANNED (UP TO 12 EVENTUALLY)
<b>BRITISH INDIAN OCEAN TERRITORY</b>	1 FISHERY PATROL SHIP	
<b>BRUNEI</b>	4 DARUSSALAM CLASS	
<b>BULGARIA</b>		2 PATROL VESSELS REPORTEDLY PLANNED
<b>CAMBODIA</b>	4 PATROL CRAFT (PC 46 CLASS)	DELIVERED IN 2007
<b>CAMEROON</b>	1 FLAMANT CLASS 1 BAKASSI CLASS 2 HUANGPU CLASS	
<b>CANADA</b>	2+4 DE WOLF CLASS 12 KINGSTON CLASS 1 SIR WILFRED GRENFELL (COAST GUARD) 1 LEONARD J COWLEY CLASS (COAST GUARD) 2 CAPE ROGER CLASS (COAST GUARD) 1 TANU CLASS (COAST GUARD) 0+2 DE WOLF CLASS (COAST GUARD)	COMMISSION 2019-2024 (2 IN 2022). 2 MORE ARE ON ORDER FOR THE COAST GUARD
<b>CAPE VERDE</b>	1 GUARDIAO CLASS 1 KONDOR I CLASS	
<b>CHILE</b>	1 GUARDIAO CLASS 1 KONDOR I CLASS 4+(1) PILOTO PARDO CLASS	5TH VESSEL EXPECTED TO BE ORDERED

COUNTRY	CURRENT OPVs	FUTURE PLANS
<b>CHINA</b>	1 SHULING CLASS (MARITIME SAFETY ADMINISTRATION) 2 SHUBIAN CLASS (MARITIME SAFETY ADMINISTRATION) 1 HAIXUN 051 CLASS (MARITIME SAFETY ADMINISTRATION) 1 HAIXUN 01 CLASS (MARITIME SAFETY ADMINISTRATION) 1 SHUOSHI CLASS (MARITIME SAFETY ADMINISTRATION) 1 HAIXUN 11 CLASS 1 ZHONGYANG CLASS 6 ZHAODAI CLASS 4 HAIJIAN CLASS 1 JIANGHU CLASS 2 SCHUCHA I CLASS 3 SHUWU CLASS 3 SHUYOU CLASS 4 SHUKE II CLASS 1 SHUKE I CLASS 1 YOUDIAN CLASS 1 YANBING CLASS 33 HONGMING I/II CLASS 4 HONGDA CLASS 17 ZHAOTIM CLASS 1 ZHONGDENG CLASS 1 ZHONGYU CLASS 1 SHUYANG CLASS 1 ZHAOCHANG CLASS 6 SHUSHENG CLASS 4 SHUOSHI II CLASS 3 ZHAOMING CLASS 2 ZHONGMEL CLASS 7 ZHONGSUI CLASS 47 HAILIN I/II CLASS 43 ZHONGTAO CLASS 1 DALANG I CLASS 1 WOLEI CLASS 15 SHUKE III CLASS 2 ZHAOTOU CLASS 1 OPV 4 ZHAOLAI CLASS 2 SHUCHA I CLASS 10 SHUCHA II CLASS 1 SHUZAO II CLASS 14 SHUZAO III CLASS 12 ZHAOYU CLASS 3 JIANGWEI CLASS 10 ZHONGENG CLASS 23 TYPE 618 CLASS 1 KANJIE CLASS 47 TYPE 218 CLASS 6 ZHAODUAN CLASS 1 HAI YANG CLASS 9 ZHAOJUN CLASS 3 ZHAOGAO CLASS 1 JIANGHU CLASS	
<b>COLOMBIA</b>	3+(3) ARC 20 DE JULIO CLASS 1 RELIANCE CLASS 1 BALSAM CLASS 3+(11) PUNTA ESPADA CLASS	3 OPV-93 PLANNED CLASS OF 14 PLANNED
<b>CONGO-BRAZZAVILLE</b>	4 PATROL CRAFT	
<b>CUBA</b>	2 OPV	FORMER TRAWLERS
<b>CYPRUS</b>	1+3 COMMODORE ANDREAS IOANNIDES (OPV 61)	1ST COMMISSIONED 2018. 2ND FOR DELIVERY FROM 2020. 3 MORE PLANNED IN TOTAL
<b>DENMARK</b>	3 THETIS CLASS	PLAN TO PROCURE OPVS TO REPLACE THETIS CLASS
<b>DOMINICAN REPUBLIC</b>	1 BALSAM CLASS	
<b>ECUADOR</b>	3 ISLA FERNANDINA (VIGILANTE) CLASS (COASTGUARD) 2 ISLA SAN CRISTOBAL CLASS (COAST GUARD)	COMMISSIONED IN 2017
<b>EQUATORIAL GUINEA</b>	2 KIE NTEM CLASS 2 PV 50M CLASS 1 PV88 CLASS	
<b>ESTONIA</b>	1 KINDRAL KURVITS CLASS (BORDER GUARD)	
<b>FALKLAND ISLANDS</b>	1 FISHERY PATROL SHIP	
<b>FAROE ISLANDS</b>	2 PATROL SHIPS (COASTGUARD)	
<b>FINLAND</b>	1 IMPROVED TURSAS CLASS (BORDER GUARD) 2 TURSAS CLASS (BORDER GUARD) 1 UVL 10 CLASS (BORDER GUARD)	

COUNTRY	CURRENT OPVs	FUTURE PLANS
<b>FRANCE</b>	1 LAPEROUSE CLASS 2 P400 CLASS 7 D'ESTIENNE D'ORVES (A.69) CLASS 1 FISHERY PATROL SHIP 1 LE MALIN CLASS 3 FLAMANT CLASS 1 POLAR PATROL SHIP 2 + 1 PATROL SHIPS 4 D'ENTRECASTEAUX CLASS 0+6 POM (PATROUILLEUR OUTRE-MER)	SERVICE LIFE TO 2020. 1 WAS TO DECOMMISSION BY 2020 CONTRACT FOR THIRD PLACED IN DECEMBER 2017. LAST COMMISSIONED IN 2019 DELIVERY 2022-2025 BATISMAR PROGRAMME – 10 OPVS PLANNED TO REPLACE A.69S AND OTHER PATROL SHIPS FROM C.2025
<b>GABON</b>	2+(1) P400 CLASS 0+1 OPV	THIRD REPORTEDLY NOT DELIVERED CONTRACT YET TO BE FINALISED – NO REPORTED PROGRESS
<b>GERMANY</b>	3 BAD BRAMSTEDT CLASS (COAST GUARD)	COMMISSIONED 2016-2019
<b>GHANA</b>	3 POTSDAM CLASS (COAST GUARD)	
<b>GREECE</b>	2 LURSSON FPB 45 CLASS 2 BALSAM CLASS 4 SNAKE CLASS 1 GAVDOS CLASS [COAST GUARD]	
<b>GUYANA</b>	1 RIVER CLASS	
<b>HONDURAS</b>	0+1 OPV	1 OPV-80 PLANNED, BUT NO PROGRESS REPORTED
<b>ICELAND</b>	2 AEGIR CLASS (COAST GUARD) 1 THOR (ULSTEIN UT 512L) CLASS (COAST GUARD)	
<b>INDIA</b>	4 SARYU CLASS 6 SUKANYA CLASS 5 SDB MK.5 CLASS 14 CAR NICOBAR CLASS 0+5 OPV (PROJECT 21) 8+5 SANKALP CLASS (COAST GUARD) 3 SAMUDRA CLASS (COAST GUARD) 4 SAMAR CLASS (COAST GUARD) 1 VIKRAM CLASS (COAST GUARD) 3 VISHWAST CLASS (COAST GUARD) 5 RANI ABBAKKA CLASS (COAST GUARD) 5 PRIYADARSHINI CLASS (COAST GUARD) 7 SAROJINI NAIDU CLASS (COAST GUARD) 8 RAJSHREE CLASS (COAST GUARD) 20 AADESH CLASS PATROL SHIPS (COAST GUARD) 0+5 PRIYADARSHINI CLASS (COAST GUARD) 7 VIKRAM CLASS (COAST GUARD)	CONSTRUCTION STARTED 2014 – FIRST COMMISSION WAS DUE IN 2019 JANUARY 2018 RFI FOR 6 OPV OF 2,500 TONNES – PROJECT APPROVED AUGUST 2018. 10 WERE DUE IN SERVICE BY 2020 - DELAYED LAST COMMISSIONED IN 2018 LAST DELIVERY WAS EXPECTED MID- 2019
<b>INDONESIA</b>	4 KAKAP CLASS 4 SINGA CLASS 2 DISASTER RESPONSE SHIPS (COAST GUARD) 1 TANJUNG DATU CLASS (COAST GUARD) 2 DAMEN 6210 CLASS (COAST GUARD) 7 PATROL VESSELS (COAST GUARD) 2 BISMA CLASS (POLICE) 5 NS-395 CLASS (POLICE)	NEW PATROL CRAFT ARE REPORTEDLY UNDER CONSTRUCTION
<b>IRAN</b>	1 HAMZAIH CLASS	
<b>IRAQ</b>	4 FATEH CLASS 2 AL BASRA CLASS	
<b>IRELAND</b>	4 MODIFIED ROISIN CLASS 1 EITHNE CLASS 2 ROISIN CLASS 2 P41 PEACOCK CLASS	LAST COMMISSIONED 2019 REPLACEMENT PLANNED
<b>ITALY</b>	0+7 PPA 4 COMMANDANTE CLASS 2 SIRIO CLASS 4 CASSIOPEA CLASS 1 BRUNO GREGORETTI CLASS (COAST GUARD) 2 LUIGI DATTILO CLASS (COAST GUARD) 2 MONTI CLASS (DAMEN STAN PATROL 5509) (CUSTOMS)	FIRST OF CLASS ENTERS SERVICE IN 2021. 2 FULLY COMBAT CAPABLE; 3 INTERIM CAPABILITY; 2 LIGHT CAPABILITY OOSD WAS – 2020 REQUIREMENT FOR UP TO 6 OPV TO REPLACE THE CASSIOPEA AND SIRIO CLASSES – EPC – 1ST VESSEL C.2027
<b>JAPAN</b>	4+1 SHIKISHIMA CLASS (COAST GUARD) 10 SOYA/TUGARU CLASS (COAST GUARD) 1 IZU CLASS (COAST GUARD) 1 MIURA CLASS (COAST GUARD) 1 KOJIMA CLASS (COAST GUARD) 7 OJIKI CLASS (COAST GUARD) 3 HIDA CLASS (COAST GUARD) 3 ASO CLASS (COAST GUARD) 9 HATERUMA CLASS (COAST GUARD) 18+2 KUNISAKI CLASS (COAST GUARD) 4 AMAMI CLASS (COAST GUARD) 6 TSURUUGI CLASS (COAST GUARD) 20 TOKARA CLASS (COAST GUARD) 2 MIZUHO CLASS (COAST GUARD) 6 IWAMI CLASS (COAST GUARD) 0+2 5,000 TONNE CLASS (COAST GUARD) 7+1 KATORI CLASS (COAST GUARD) 7 NATSUI CLASS (COAST GUARD)	4TH COMMISSIONED FEBRUARY 2021 WERE DUE TO COMMISSION 2019-2020 LAST WAS DUE TO COMMISSION IN 2019
<b>KAZAKHSTAN</b>	4 KAZAKHSTAN CLASS	LAST COMMISSIONED DECEMBER 2017

COUNTRY	CURRENT OPVs	FUTURE PLANS
<b>KENYA</b>	1 HARAMBEE CLASS 2 SHUPAVU CLASS 2 NYAYO CLASS 1 PATROL SHIP	
<b>KOREA (SOUTH)</b>	1 SAMBONGHO CLASS (COAST GUARD) 11 LEE CHEONG-HO CLASS (COAST GUARD) 2 HAURI CLASS (COAST GUARD) 8 HAN GANG CLASS (COAST GUARD) 1 TAE PYUNG YANG II (COAST GUARD) 5 TAE PYUNG YANG III (COAST GUARD) 5 TAE PYUNG YANG IX (COAST GUARD) 2 TAE PYUNG YANG XIII (COAST GUARD) 1 JAEMIN II CLASS (COAST GUARD) 8 JAEMIN III CLASS (COAST GUARD) 1 HANG GANG 6 CLASS (COAST GUARD)	6 NEW OPVs TO BE ACQUIRED BY MARITIME POLICE? 50 AND 100 TONNE PATROL VESSELS REPORTEDLY UNDER CONSTRUCTION
<b>LATVIA</b>	1 VALPAS CLASS (STATE BORDER SECURITY GUARD)	
<b>LITHUANIA</b>	4 ZEMAITIS CLASS	
<b>MALAYSIA</b>	2 LANGKAWI CLASS (COASTGUARD) 2 OPV (COAST GUARD) 1+3 (14) LITTORAL MISSION SHIPS 0+3 TUN FATIMAH (DAMEN OPV-1800) (COAST GUARD)	1ST COMMISSIONED IN 2020. CLASS OF 18 PLANNED. 1ST LAUNCHED IN 2021
<b>MALDIVES</b>	1 SDB MK5 CLASS (COAST GUARD) 1 40 METRE PATROL CRAFT (COAST GUARD)	
<b>MALTA</b>	1 SAETTIA MK. III CLASS 1 P.21 CLASS 0+1 (1) P 71 CLASS	DONATED BY IRELAND IN 2015 CONTRACT AWARDED IN OCTOBER 2018.LAUNCHED FEBRUARY 2021.
<b>MAURITANIA</b>	1 ABOU BEKR BEN AMER CLASS 1 ARGUIN CLASS	
<b>MAURITIUS</b>	1 VIKRAM CLASS (COAST GUARD) 2 VICTORY CLASS (COAST GUARD)	COMMISSIONED IN 2014 COMMISSIONED 2016 AND 2017.
<b>MEXICO</b>	4 HOLZINGER CLASS 3 SIERRA CLASS 2 DURANGO CLASS 2 DURANGO 'MOD' CLASS 9 VALLE CLASS 5 URIBE CLASS 8 OAXACA CLASS 2 DEMOCRATA CLASS 1 HURACAN CLASS	LAST COMMISSIONED IN 2020.
<b>MOROCCO</b>	4 OSPREY MK.II CLASS 6 CORMORAN CLASS 5 RAIS BARGACH CLASS 1 PATROL VESSEL 1 BIN AN ZARAN CLASS	FURTHER SHIPS REPORTEDLY PROJECTED (3?)
<b>MOZAMBIQUE</b>	3 OCEAN EAGLE 43 CLASS	CONTRACT SIGNED WITH CMN OCTOBER 2013. FIRST DELIVERY WAS IN 2016.
<b>MYANMAR</b>	2 OSPREY CLASS 1 INLE CLASS	
<b>NAMIBIA</b>	1 ELEPHANT CLASS 1 GRAJAU CLASS 1 PATROL SHIP (ORYX) 2 PATROL SHIPS (GOVERNMENT MARITIME FORCES)	
<b>NETHERLANDS</b>	4 HOLLAND CLASS	
<b>NEW ZEALAND</b>	2 OTAGO CLASS	ONE MORE OPV IS PLANNED BY 2025, BUT OF A NEW CLASS.
<b>NIGERIA</b>	2 P-18N CLASS 4 BALSAM CLASS 1 P.21 CLASS 1 PATROL CRAFT 1 PATROL SHIP (GOVERNMENT MARITIME FORCES)	ACQUIRED FROM CHINA. PLAN WAS REPORTEDLY TO ACQUIRE 8 MORE OPVs BY 2020. FROM IRISH NAVY
<b>NORWAY</b>	1 ARCTIC CLASS (COAST GUARD) 3 NORDKAPP CLASS (COAST GUARD) 5 NORNEN CLASS (COAST GUARD) 0+3 JAN MAYEN (PROJECT 6615) 2 REINE CLASS	TO BE REPLACED 2022-2024 TO REPLACE NORDKAPP CLASS. CONTRACT WAS AWARDED IN JUNE 2018. DELIVERY FROM 2022-2024
<b>OMAN</b>	3 AL BUSHRA CLASS 4 AL OFOUQ CLASS 2 PATROL AND RESCUE SHIPS	POLICE
<b>PAKISTAN</b>	4 BARKAT CLASS (MARITIME SECURITY AGENCY) 4 HINGOL CLASS (MARITIME SECURITY AGENCY) 0+2 OPV-1900 CLASS 1+1 KASHMIR CLASS	CONTRACT SIGNED JUNE 2017. COMMISSION IN 2022. SECOND WAS EXPECTED IN 2019
<b>PERU</b>	4+2 (4) RIO PATIVILCA CLASS (COAST GUARD) 1 CARVAJAL CLASS (COAST GUARD) 1+1 PO HANG CLASS (COAST GUARD)	NEXT 2 WERE DUE TO COMMISSION 2020 - OPTION ON 4 MORE NO DELIVERY DATE CONFIRMED FOR 2ND VESSEL. 3 OPVs PLANNED - 1ST BATCH (2) BY 2023
<b>PHILIPPINES</b>	0+1 OCEA OPV 270 CLASS OPV [COAST GUARD] 4 SAN JUAN CLASS (COAST GUARD)	2 MULTI-ROLE RESPONSE SHIPS PLANNED FROM JAPAN IN 2020 AND 2021. ORDERED FROM FRANCE IN OCTOBER 2012. WAS DUE TO COMMISSION IN 2019.



COUNTRY	CURRENT OPVs	FUTURE PLANS
<b>POLAND</b>	0+1 SLAZAK CLASS	NOW FITTING OUT – WAS DUE TO COMMISSION IN 2019.. 3 MORE OPVs REPORTEDLY PLANNED?
<b>PORTUGAL</b>	4+(6) VIANA DO CASTELO CLASS 2 CACINE CLASS 3+2 TEJO CLASS	6 MORE APPROVED MAY 2021 – PROGRAMME STARTS IN 2023. REPLACING CACINE CLAS
<b>QATAR</b>	0+2 MUSHERIB	FIRST LAUNCHED SEPTEMBER 2020. DELIVERY 2022-2024
<b>RUMANIA</b>	1 DAMEN OPV 900 (BORDER POLICE)	
<b>RUSSIA</b>	4 KOMANDOR CLASS (BORDER GUARD) 10 ALPINIST CLASS (BORDER GUARD) 15 SORUM CLASS (BORDER GUARD) 1 SPRUT CLASS (BORDER GUARD) 31/13 PROJECT 1496/1496M/M1 CLASS (BORDER GUARD) 13+1 (11) RUBIN CLASS (BORDER GUARD) 1+2 (2) PROJECT 22100 PATROL SHIP (BORDER GUARD) 2+1 PURGA CLASS PROJECT 22120 CLASS PATROL SHIPS (BORDER GUARD) 4 MAYAK CLASS (BORDER GUARD) 0+2 PROJECT 23550 CLASS (BORDER GUARD) 1+1 (5) PROJECT 1496M1E (BORDER GUARD)	NUMBERS REDUCING TOTAL OF 25 PLANNED. FIRST COMMISSIONED IN 2016; NEXT WAS DUE TO COMMISSION IN 2019; THEN ONE IN 2021 THIRD LAUNCHED MAY 2018. DELIVERY DUE 2023-2024 FIRST WAS PLANNED TO COMMISSION IN 2018.
<b>SAUDI ARABIA</b>		20-25 PATROL VESSELS REPORTEDLY PLANNED
<b>SENEGAL</b>	1 NJAMBUUR CLASS 1 OCEA OPV 190 CLASS 1 KEDOUYOU CLASS 0+3 OPVS	PLAN FOR 3 60 METRE OPVS ANNOUNCED IN OCTOBER 2018. CONTRACT SIGNED NOVEMBER 2019, FOR DELIVERY BY 2024.
<b>SEYCHELLES</b>	2 TOPAZ CLASS 1 PATROL CRAFT	
<b>SLOVENIA</b>	1 SVETLYAK CLASS	
<b>SOUTH AFRICA</b>	1 OFFSHORE PATROL SHIP (GOVERNMENT MARITIME FORCES) 3 OFFSHORE PATROL VESSELS (GOVERNMENT MARITIME FORCES)	3 OPV-2 1800 PLANNED - PROJECT BIRO – ON HOLD
<b>SPAIN</b>	2 DESCUBIERTA CLASS 4 SERVIOLA CLASS 3 ALBORAN CLASS 6+(6) METEORO CLASS 4 PATROL SHIPS (GOVERNMENT MARITIME FORCES)	BPM (REPLACING BAM) PROGRAMME. A SECOND BATCH IS EXPECTED IN 2025 AND A 3RD BATCH IS UNDER STUDY
<b>SRI LANKA</b>	2 SARYU CLASS 1 SUKANYA CLASS 1 JAYESAGARA CLASS 1 VIKRAM CLASS 1 SAMUDURA CLASS 1 HAMILTON CLASS 1 SAGARA CLASS 1 VIKRAM CLASS (COAST GUARD)	PROCUREMENT OF AN OPV FROM RUSSIA IS IN PROGRESS
<b>SURINAM</b>	1 PROJECT 414	
<b>SWEDEN</b>	3 KBV 001 CLASS (COAST GUARD) 1 KBV 181 CLASS (COAST GUARD) 2 KBV 201 CLASS (COAST GUARD) 4 KBV 031 CLASS (COAST GUARD) 2 STOCKHOLM CLASS	SERVICE LIVES TO 2026
<b>TAIWAN</b>	2 HO Hsing CLASS (COAST GUARD) 2 YILAN CLASS (COAST GUARD) 2 TAINAN CLASS (COAST GUARD) 12 OPVs (COAST GUARD) 4 MIAOLI CLASS (COAST GUARD) 3 1,000 TONNE OPVS (COAST GUARD) 0+4 OPVS (COAST GUARD)	PROCUREMENT OF NEW PATROL SHIPS BY 2030 IN PROGRESS  CONTRACT AWARDED IN JULY 2018.
<b>TANZANIA</b>	2 HAIQING CLASS	COMMISSIONED IN 2015
<b>THAILAND</b>	1 + 1 (4) KRABI CLASS 3 HUA HIN CLASS 2 PATTANI CLASS 1+ (2) M58 CLASS 1 VOSPER THORNEYCROFT CLASS (POLICE) 2 HAMELN TYPE (POLICE)	NEXT WAS DUE TO COMMISSION IN 2019 – CLASS OF 6 EXPECTED CLASS OF 3 EXPECTED.
<b>TRINIDAD AND TOBAGO</b>	2 CHACACHACARE CLASS (COAST GUARD) 6 DAMEN 5009 CLASS (COAST GUARD) 1 SHUKE III CLASS (COAST GUARD)	
<b>TUNISIA</b>	3 BIZERTE CLASS 4 JUGURTHA CLASS (DAMEN 1400) 6 RAIS EL BLAIS (KONDOR 1) CLASS (NATIONAL GUARD)	
<b>TURKEY</b>	4 DOST CLASS (COAST GUARD)	UP TO 8 NEW PATROL CRAFT REQUIRED. RFP EXPECTED
<b>U.A.E</b>	2 ARIALAH CLASS (COAST GUARD) 2 OPVs (COAST GUARD)	
<b>U.K.</b>	5 FORTH CLASS 3 RIVER CLASS 1 MODIFIED RIVER CLASS 2 JURA CLASS (SFPA) 1 MINNA CLASS (SFPA)	

COUNTRY	CURRENT OPVs	FUTURE PLANS
<b>U.S.A.</b>	8+3 LEGEND CLASS (COAST GUARD) 3 HAMILTON CLASS (COAST GUARD)13 FAMOUS CUTTER CLASS (COAST GUARD) 14 RELIANCE CLASS (COAST GUARD) 34+14 (10) SENTINEL CLASS (COAST GUARD) 1 ALEX HALEY CLASS 0+25 HERITAGE CLASS	TO REPLACE HAMILTON CLASS. NEXT WAS DUE TO COMMISSION IN 2020 FOR REPLACEMENT BY OPC FOR REPLACEMENT BY OPC FAST RESPONSE CUTTER -58 REQUIRED - 5 COMMISSION IN 2021; 6 IN 2022; 5 IN 2023; 3 IN 2024. OFFSHORE PATROL CUTTER (OPC) - 25 REQUIRED. FIRST COMMISSION IN 2021 (2); THEN 2022 (2); 2023 (2); 2024 (2); 2025 (2).
<b>URUGUAY</b>	1 WANGEROOGE CLASS	OPVS (UP TO 3?) ARE AMONG OPTIONS TO REPLACE FRIGATES
<b>VENEZUELA</b>	3+1 GUAUIQUERI CLASS 3+1 GUAICAMACUTO CLASS (COAST GUARD)	1 IN RESERVE LAST WAS PLANNED TO COMMISSION IN 2019 - SEA TRIALS IN 2018. NO DELIVERIES RECORDED OF 6 STAN PATROL 5009.
<b>VIETNAM</b>	8 DAMEN 9014 CLASS (COAST GUARD) 9 TT400TP CLASS (COAST GUARD) 2 SEA WOLF/SHARK CLASS (COAST GUARD) 1 PATROL SHIP (COAST GUARD) 1 MAZINGER CLASS (COAST GUARD) 1 HAMILTON CLASS (COAST GUARD) 0+2 DN 4000 CLASS (COAST GUARD)	2 DN 4000 OPVS BEING BUILT IN SONG THU SHIPYARD

