Naval warfare is entering a new era, with surface ships of any kind creating a 'system-of-systems' approach. This is the case of the new generation offshore patrol vessel (OPV), for which modularity, growth potential, commonality and interoperability are playing a key role in the 2020s. International shipbuilders follow the strong worldwide trend of OPVs that offer an ample growth margin enabling ‘fitted for options’ for sophisticated sensors, weapon systems, integrated platform management and propulsion systems, extra space for shipboard aviation, interceptor craft and personnel, as well as increased endurance. This trend is about to shape the future operational environment of the OPV in particular.

Photo: US Navy

**Issue V/2020 will feature the following topics:**

**Spotlight**
Multipurpose amphibious assault ships

**Special Focus**
Warship Design, Construction, Maintenance and Refit
- Repair & refit adapts to changing threat environment
- Surface ship hybrid propulsion
- Commercial and COTS/MOTS supplies
- HVAC, NBC protection, crew safety and comfort

**Feature**
- Sea-based ballistic missile defence
- Offensive and defensive mining
- Loitering munitions
- Naval electro-optics
- Non-lethal options
- German Navy Submarine Training Centre
- Identification friend or foe in naval military and maritime navigation
- Maritime special operations forces in the land environment
- US Marine Corps’ special operations forces and delivery options
- Shipboard emergency simulation and rescue training
- Naval helicopter update
- Unmanned systems support

**National Focus**

- Japanese Maritime Self-Defense Force
- Pakistan Navy
- Bangladesh Navy

**Special Ship**
PPA Pattugliatore Polivalente d’Altura (Italian Navy)

**News from navies and naval industry**

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**Title**
Offshore patrol vessels

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