PPA
Multipurpose Offshore Patrol Vessel
The Multipurpose Offshore Patrol Vessel (PPA) is a highly flexible ship that can accomplish multiple functions, from patrol with sea rescue capability to Civil Protection operations, and - in its most highly equipped version - act as a first line combatant. The ship can have different combat system configurations: starting from a “light” version for the patrol task, integrated for self-defence, to a “full” version, equipped for a complete defence ability. The vessel is also capable of operating high-speed vessels such as RHIBs (Rigid Hull Inflatable Boats) up to 11 meters long, through its lateral cranes or its hauling ramp located astern.

**Main Characteristics**

- **Length overall**: abt. 143.00 m
- **Length between perpendiculars**: 133.00 m
- **Beam**: 16.50 m
- **Depth**: 10.50 m
- **Speed (max/range)**: 32/15 kn
- **Range**: 5 000 nm
- **Endurance**: 30 days
- **Crew**: 171 people

**Energy and Propulsion Systems**

- Propulsion system: CODAG CC (2 x DE + 1 TAG/2 x FCPP)
- Generating sets: 4 + 2 Shaft Generators / Electric Motors

**Helicopter Capabilities**

- Flight deck: for SH90 or EH101
- Hangar: for 2 SH90 or 1 EH101

**Combat System**

1. Cockpit Control System
2. Internal Networking System
3. Combat Management System (CMS)
4. Integrated Int/Ext Communication System
5. Integrated Navigation System
6. Navigation Radars
7. Dual Band [C-X] Radar
8. IFF Interrogator/Transponder System
9. IR Surveillance System (2 turrets)
10. Secondary Caliber Guns - 25 mm
11. Long Range Acoustic Devices
12. EW System [RESM/CESM]
13. Fire Control System (ADT)
14. Quick Point Device System
15. Surface Anti Air Missile SAAM-ESD System
16. Anti-Ship Missile System TESEO*
17. Main Caliber Gun - 127 mm – Vulcano
18. Medium Caliber Gun - 76 mm SP - Davide
19. Decoy Launching System [2 Launchers]
20. Torpedo Detection System
21. Active Towed Array System*
22. Torpedo Launching System*
23. Heavy-Weight Torpedo System
24. Obstacle Avoidance Sonar**
25. Diver Detection Sonar
26. BathyTermograph Unit

* fitted for
** space foreseen for