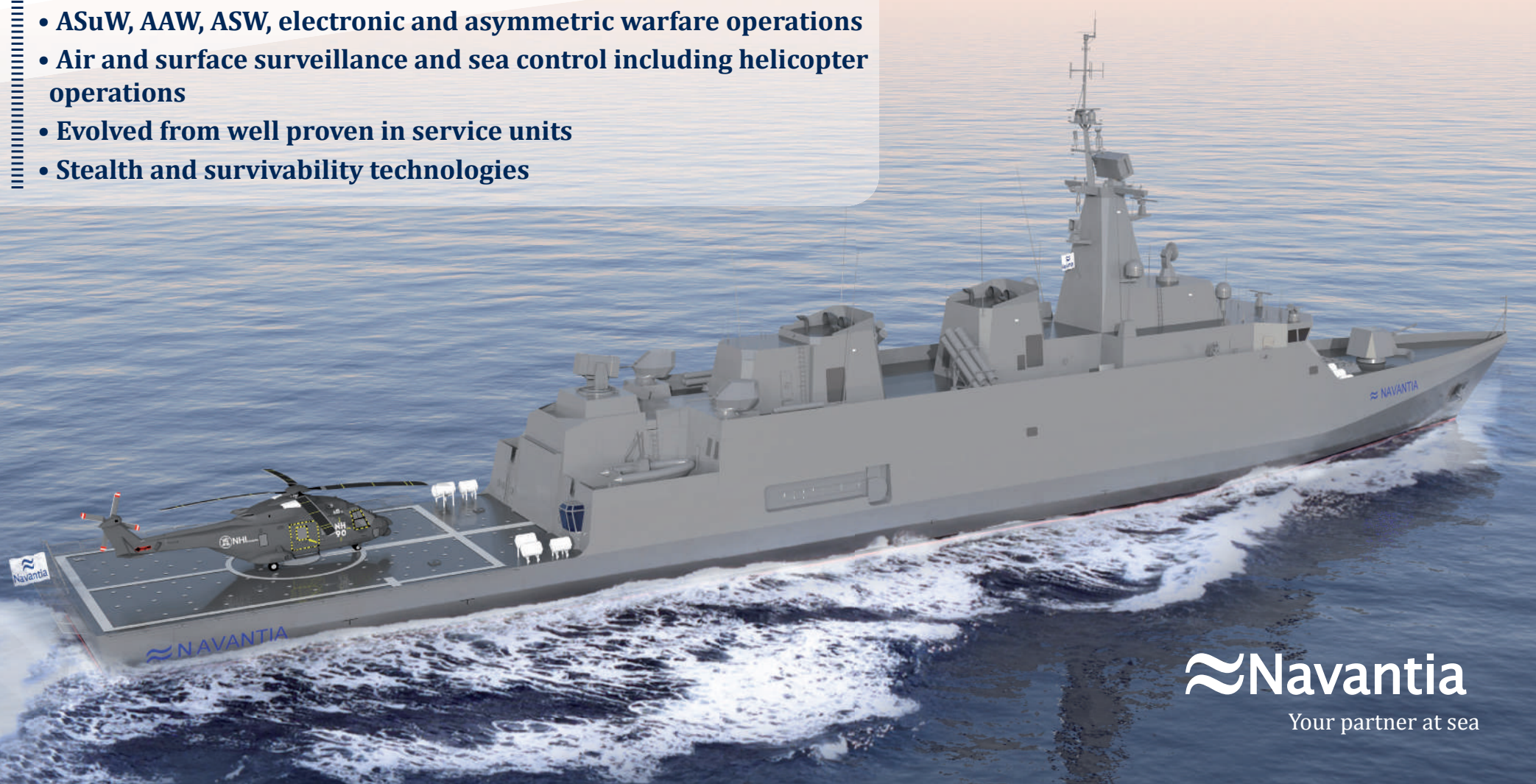


# ALFA 4000

Navantia's state-of-the-art light frigate

- ASuW, AAW, ASW, electronic and asymmetric warfare operations
- Air and surface surveillance and sea control including helicopter operations
- Evolved from well proven in service units
- Stealth and survivability technologies



 **Navantia**  
Your partner at sea

## MAIN CHARACTERISTICS

- Length Overall ..... 113.2 m
- Maximum Breadth ..... 15.6 m
- Full Load Displacement ..... 3,800 t
- Design Draught ..... 4.7 m
- Maximum Speed ..... 30 kt
- Range ..... 4,000 nm
- Accommodation ..... 150

## PROPULSION AND ELECTRIC PLANT

- 2 x Independent CODAD Propulsion Plants
- 2 x Reduction Gears
- 2 x Controllable Pitch Propellers
- 4 x 5,920 kW Marine Propulsion Diesel Engines
- 4 x 660 kW Diesel Generator Sets



## HELICOPTERS

- Flight Deck and Hangar for a medium sized Helicopter
- 2 x RHIBs

## INTEGRATED SYSTEMS

- Integrated Navigation System
- Communications Systems: Integrated Communication Control Systems (ICCS), External and Internal Communications Systems
- Integrated Platform Management System (IPMS)

## SENSORS

- 1 x 3D Air/ Surface Surveillance Radar
- 1 x 2D Air/Surface Surveillance Radar
- 2 x Navigation Radars (X-Band and S-Band)
- Radar & EO Fire Control System
- EO Fire Control System
- 1 x IFF Interrogator & Transponder
- 1 x Hull Mounted Sonar (HMS)
- 1 x Towed Array Sonar (TAS)

## WEAPONS

- 2 x Surface-to-Surface Missile (SSM) Systems (2 x quadruple Launchers)
- 2 x Surface-to-Air (SAM) Systems (16 cells VLS)
- 1 x CIWS
- 1 x 76 mm Main Gun
- 2 x 40 mm Secondary Guns
- 2 x 12.7 mm Machine Guns
- 2 x Decoy Launcher Systems
- 1 x EW/RECM
- 2 x Triple Torpedo Launcher Systems

## COMBAT MANAGEMENT SYSTEM (CMS)

- 6 x Multifunction Consoles
- Video Distribution System
- Video Switching System
- 2 x Large Screen Displays (LSDs)
- 2 x Tactical Servers
- Fire Control Loop Capability



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