

# AVANTE 3000



## MAIN CHARACTERISTICS

·Length overall	93.9 m	·Full load displacement	2,860 t
·Maximum beam	14.2 m	·Full load draught	4.14 m
·Depth to main deck	7.2 m	·Total accommodation capacity	35 + 35



## OFFSHORE OPERATION

The Avante 3000 is specially designed for the following missions:

- Control of activities maritime areas.
- Protection of merchant shipping.
- Maritime search and rescue operations.
- Surveillance and control of environmental legislation and pollution.
- Surveillance and control of fishing.
- Logistic and medical support to smaller ships.
- Humanitarian relief operations.
- Intelligence gathering.
- Operations against the traffic of people and drug smuggling.
- Control and neutralisation of terrorist actions and pirate activities.
- Inward and outward transport of Special Forces.
- Naval presence.

## PERFORMANCE

- Maximum sustained speed +21 kt
- Patrol speed (Electric Mode) 12 kt
- Range at 15 kt 8,000 nm
- Provisions endurance 35 days
- Active & Passive Stabilising System to increase confort and helo operation

## SENSORS

- 1 x 2D LPI Air/Surface surveillance radar
- 1 x IFF (Interrogation & transponder)
- 1 x Navigation radar
- 1 x EO Surveillance and Tracking system
- 1 x Radar-EO fire control system director
- 1 x ESM system Radar band
- 1 x ESM system Communications band

## HELICOPTER & RHIBS OPERATION

- Flight deck & hangar for 10 t class helicopter (NH-90) and UAV operations
- 2 x 7 m RHIBs (crane deployment & recovery)
- Conteneirised Systems
- Suitable interfaces in the poop deck/flight deck to adequately embark up-to 3+3 mission containers (Unmanned Air Vehicles (UAV's.), Habitability modules, Anti-Pollution equipment, Divers Support Equipment, ...)

## COMMAND & CONTROL

- Integrated Combat System
- 1 x CMS (SCOMBA)
- 3 x Multifunction consoles
- 1 x Large screen display
- 1 x Tactical LAN
- 1 x Tactical data link

## PROPULSION PLANT

- CODOE type.
- Diesel engines: 2 x 5,200 kW
- Electric motors: 2 x 750 kW
- 2 shaft lines
- 2 CP propellers

## COMMUNICATIONS SYSTEM

- Integrated Communications System (Control console, Voice terminals, LAN)
- Internal Communications System: (Sound powered telephone system, IP telephone system, Public Address system, Entertainment system, CCTV)
- External Communications System: (GMDSS, MMHS, Satellite, LF/MF/HF, VHF, V/UHF)

## NAVIGATION SYSTEM

- Integrated Navigation System: (Navigation servers, Redundant LAN, Multifunction repeaters)
- Integrated Bridge: (WECDIS server, ARPA console, Conning station, IPMS console, Navigation lights panel, Communications, GMDSS)
- Sensors: (1 x Meteorological System, 1 x Compass, 1 x DGPS, 2 x Laser Gyro, 1 x INS, 2 x Logs, 1 x Echo sounder, 1 x AIS, 1 x TACAN)

## WEAPONS

- 1 x 76/62 mm Gun
- 2 x 25 mm weapon stations
- 4 x Decoy launchers (IR & Radar)
- 2 x 12.7 mm machine guns (manual operation)

## PROVEN DESIGN

- 4 units operating for the Spanish Navy
- 2 additional units under construction for the Spanish Navy