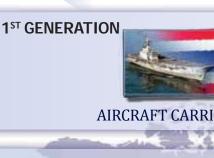


EXTERNAL COMMUNICATIONS SYSTEM (NAVCOMS)

EXPERIENCE









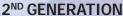


AIRCRAFT CARRIER AIRCRAFT CARRIER

MINEHUNTER

LPD

LPD









SUBMARINE

Ser /







DESTROYER

LHD

AOR

CORVETTE

3RD GENERATION











SAIL TRAINING SHIP

OPV

OPV

OPV

CORVETTE

Since 1992, NAVANTIA is the Communications System Integrator of all of the warships built by NAVANTIA for the Spanish Navy and for other navies.

NAVCOMS has evolved adapting to new state-of-the-art technologies, starting with analogue, then TDM, and now digital IP-based systems.

There are more than 30 NAVCOMS installed throughout the world in a wide variety of warships with different roles.



NAVANTIA provides NAVCOMS as a turn-key solution, designed and tested specifically

NAVCOMS

NAVANTIA's Integrated Communications System

NAVCOMS meets all the needs of a warship's communications. Taking into account that communications equipment comes from various different suppliers, NAVCOMS allows the integration of all types of solutions adapting to the client's specific requirements.

The NAVCOMS architecture ensures a continuous interchange of information between the ship's tactical information positions (Internal Communications) and other naval units, aircraft, command and control centres and land stations (External Communications). The NAVCOMS design is personalised for each client, ensure the best optimization in accordance with the ship's roles and the client's needs.

NAVANTIA'S HERMESYS Integrated Communications Control System integrates all the NAVCOMS elements, which is the neurological centre of NAVCOMS, making system operation, supervision and management easy.



Integrated Communications Control System

Encrytped Protected
Secure Red-Black Separation
IP Tecnology VOIP Ethernet
Integrated Real Time
Reliable Redundancy 24/7





Integrated Communications Control System



The **Control and Maintenance Terminal** permit authorised users configure, manage and supervise the entire Communications System from their user station.

The **Gateways** permit the connection with digital channels, serial channels, audio + PTT, remote control, cryptos and modems."



Secure Communications Network

Secure Separation Devices separate the information according to its security classification. **Perimeter Separation Devices** protect the communications network from possible external intrusions and hackers.

Tactical Communication Terminal

- · Access to the External Communications, in clear or encrypted communications.
- Access to the Internal Communications.
- Centralized permissions and access management.
- Touch screen adjustable to day/night light conditions.
- Two sizes available, with vertical/horizontal display.
- Adaptable for internal or external use, and noisy and saturated conditions





ABOUT NAVANTIA

Navantia is a Spanish Government Owned Company and is an Industrial Group with the following Business Lines:

- Naval shipbuilding and design.
- (w) Systems.
- × Ship repairs and conversions.
- O Diesel engines, gearboxes and power generation.
- Through Life Support.
- Transfer of Technology solutions
- Offshore merchants and wind energy

Command and Control systems
Integrated Platform Management Systems
Surveillance systems
Gun Fire Control Systems
Naval guns
Communications systems
Navigation systems
Simulators and training



More than 20 countries...

...with offices worldwide



Carretera de la Carraca S/N 11100 San Fernando (CÁDIZ) SPAIN Telephone: +34 856 309 500 direccion.fa@navantia.es www.navantia.es





