



Navantia

SYSTEMS



NAVAL SYSTEMS

CATIZ

CATIZ is Navantia's Combat Management System (CMS) developed in-house based on the experience of having developed the Spanish Navy's SCOMBA, CDS and ICSC CMSs. It integrates sensors and weapons to provide increased capability to monitor air, surface and sub-surface (including asymmetric warfare and Naval Gun Fire Support (NGFS) missions) and electronic warfare (EW) environments, and to engage weapons for neutralizing or destroying the targets in support of the assigned ship missions.

DORNA

The DORNA Gun Fire Control System (GFCS) neutralizes threats in AAW, ASuW, NGFS, and Asymmetric Warfare scenarios. It can also be used for: surveillance and reconnaissance; identification; search and rescue support; warning and disabling firing; and navigation support.

NAVCOMS/HERMESYS

Navantia's NAVCOMS Integrated Communications System (ICS) integrates the internal communications on board with all external communications with other naval units, aircraft and headquarters over the full radio-frequency spectrum using the Navantia HERMESYS full-Internet Protocol (IP) Integrated Communications Control System (ICCS).

IPMS

The Navantia COMPLEX/SIMPLEX Integrated Platform Management System (IPMS) is much more than a Machinery Control and Surveillance System.

ARMY AND SECURITY SYSTEMS

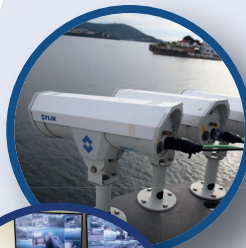
SERT

The Surveillance, Exploration, Reconnaissance, Targeting (SERT) system consists of an integrated suite of sub-systems converting any new or existing vehicle into a forward observer for Army Artillery, Cavalry or Scout, as well as for Border Surveillance. The integrated sub-systems include: radar and electro-optical surveillance and target location system; self-defence remote weapon station; navigation and driver enhancement system; HF/VHF/UHF/SATCOM/TDL communications system; and a battlefield management system.



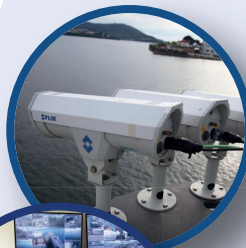
HERCULES

The HERCULES Command and Control system provides operators with an updated tactical presentation on a cartographic substrate which includes tracks and positions of military units, with the following features: Recognised Management Picture (RMP); integration with sensor units and weapon groups; designation and combat command orders; decision planning and support; communications and messaging management; integration of communications equipment, radars and other sensors; management of video, radar and images of optical sensors; integration with Electronic Warfare (EW) systems and Tactical Data Links (TDL) and Automatic Identification Systems (AIS); and Training.



SVAP

SVAP is an advanced 24/7 port and offshore platform automatic surveillance security system. It provides both surface and underwater security and surveillance, integrating any sensor (radar, electro-optical cameras, sonars, etc.).



NAVANTIS

The Navantia Training Integrated System (NAVANTIS) provides full crew virtual reality training using operational and maintenance e-learning and hands-on exercise simulators structured in different levels: Platform, Platform+Navigation, Platform+Combat System, and Platform-to-Platform.



SIMULATION AND TRAINING

PLATFORM SIMULATOR



ANALYSIS ROOM



CLASSROOM COTS SIMULATOR



MOCK-UP SIMULATOR

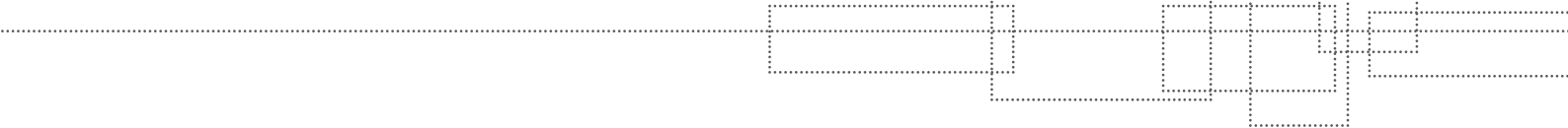


NAVANTIA TRAINING INTEGRATED SYSTEM (NAVANTIS)



INTEGRATED THROUGH LIFE SUPPORT





ABOUT NAVANTIA

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

- Naval shipbuilding and design.
- Systems.
- Ship repairs and conversions.
- 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

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