



THE MOST AMBITIOUS SHIP MANUFACTURING PROJECT OF THE SPANISH NAVY WILL INCLUDE **THE LATEST GENERATION OF FACET EQUIPMENT**

Case Study

Navantia once again trusts in the proven efficiency and reliability of Facet's military marine products, including them in the new F110 frigates, the most technologically advanced model of those developed by the Spanish shipyard.

Advancing Filtration for a Cleaner World



THE CHALLENGE

Navantia and the Spanish Ministry of Defense have signed the contract for construction of five new frigates model F110 for the Spanish Navy. This model will replace the 'Santa Maria' class frigates, which have been in service for over 30 years.

The F110 is a multipurpose battleship that will be manufactured integrating the most advanced 4.0 industry technologies, in order to improve the construction, operation and life cycle management.

The vessels will have a Digital Twin, through which it will be possible to verify in real-time that the performance of the main equipment and devices on board is operating effectively.

THE SOLUTION

Facet's extensive knowledge and experience in designing, manufacturing and distributing filtration solutions for the military marine industry have enabled Facet to be selected as the main supplier of fuel treatment systems.

This will include a range of devices such as helicopter refueling systems, filtration skids and air filters for the GE gas turbines; all of which will comply with the challenging digital twin requirements, and are currently under development.

THE RESULTS

The approach and investments made by Facet in recent years have allowed us to be a viable partner for this project, by providing filtration solutions that meet the current market requirements in terms of digitalization:

- Simple and compact design
- Small footprint, quick and easy installation with high adaptation possibilities to available space on board
- Automatic operation, via PLC program
- Easy and low maintenance requirements, reducing operation costs and environmental impact



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Brochure No. F1106-2026-WW-Navantia-Case-Study

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