

Lead-Free, Leak-Free™ Pipe Protection for Spain's Premier Submarine Fleet

THE PROBLEM

The Spanish Navy's initiative to develop the new S-80 submarine fleet presented significant challenges due to the risk of corrosion and electrolysis in the vessel's piping systems.

Understanding the critical need for a reliable solution that met strict marine safety standards, Navantia sought a partnership to tackle this issue head-on.



THE SOLUTION

Navantia and ePIPE España engaged in over a year of collaborative efforts to trial the ePIPE system, focusing on its effectiveness against pipe corrosion in marine environments. The potable and gray water systems of the submarines were treated with ePIPE's patented protective coating, proven to extend piping lifespan and ensure compliance with the American Bureau of Shipping (ABS) standards.

This not only enhanced the submarines' operational integrity but also provided a sustainable, long-lasting solution to a complex challenge, ensuring minimal disruption during the fleet's assembly and future missions.