



SHIPTEST

ShipTest is a ground-breaking laser-guided robotic crawler with the capability to perform automated Nondestructive Testing (NDT) inspection of ship hull welds, while the vessel is in-service. This feature is crucial as current methods require the ship to be dry-docked incurring expenses and revenue loss amounting to more than €150k per ship inspection. ShipTest's cutting edge NDT equipment, a combination of Phased Array Ultrasonic and Alternating Current Field Measurement devices, can reliably inspect metal plates of thickness less than 10mm; a feature currently exclusively achieved by slow and dangerous radiographic methods. The robot can be set-up and operated by non-specialized crew members so that there is no need for NDT experts on board. Instead, the data produced will be uploaded on an online cloud platform for remote analysis.

Partners:

I. DIMOULIS and Co (Spectrum); Tecnitest Ingenieros S.L. (Tecnitest); Lloyd's Register EMEA (LR); TWI Limited (TWI); Innora Proigmena Technologika Systimata kai Ypiresies Anonumi Eteria (Innora).

Role in the project

Tecnitest will be involved in all the work packages giving opinion, advice and direction. However, their main objective in this project is to provide their experience in NDT and complement the consortium bringing in the knowledge of the market,



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