

Securing the Digital Horizon: CyberSEA Training for Safer Seas

**Konstantinos Karampidis¹, Giorgos Papadourakis¹, Emmanouil Vasilakis¹,
Emmanouil Lionakis¹, Spyros Panagiotakis¹, Giorgos Kornaros¹,
Aris Chronopoulos²**

¹Hellenic Mediterranean University
Department of Electrical and Computer Engineering
Heraklion, Crete 71410, Greece

{karampidis@hmu.gr}
{papadour@hmu.gr}
{mvasilakis@hmu.gr}
{mtp318@edu.hmu.gr}
{spanag@hmu.gr}
{kornaros@hmu.gr}

²IDEC SA, Piraeus, Greece
{aris@idec.gr}

Abstract: CyberSEA is a European-funded project -currently on its second year-, dedicated to strengthening cybersecurity within the maritime industry. Its primary goal is to raise awareness and deliver targeted training to cadets and seafarers, ensuring they are equipped to defend ships and cargo against cyber threats. By fostering a network of experts and promoting cyber resilience, the project aims to establish the CyberSEA methodology as a recognized standard in maritime education. Its activities span the identification of vulnerabilities in the sector, the creation of specialized training materials, the development of remote labs and a virtual hub, and the launch of an online course. The expected outcomes include a significant boost in cybersecurity awareness and skills across the maritime workforce, the creation of an advanced training program tailored to the merchant marine sector, enhanced capabilities among instructors to teach cybersecurity effectively, the establishment of remote labs and a centralized hub for hands-on learning, and a broader adoption of cybersecurity best practices throughout the industry.