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**EPSILON is a Sciences, Technology, Engineering and Con-sulting International Group engaged in: Maritime, Aviation, Environment & Water, Natural Resources, Ecosystems, Ag-riculture, Geolnformatics, Energy, Disasters, Economics & Management.**

EPSILON was first established in 1985 in Boston, Massachusetts, USA, and then in 1990 in Europe. Today it operates world-wide as a Group of legally independent companies with key Offices in Malta, Greece, Bulgaria, Cyprus, Germany, Italy. It has allied offices in most European countries and cooperates with foremost world technology organizations.

EPSILON delivers engineering & consulting services, outsourcing, R&D/RTD/R&I commodities, training, and state-of-technology products as geospatial database infrastructures, and up-to-the-minute steering & environment technologies for all Maritime topics

Committed to sustainable practices and maritime innovation, EPSILON supports a diverse range of projects that include: Maritime strategy and market analyses; LCA and DSS for shipbuilding and shipyards; public health in ships; ship navigation in the context of sustainable blue economy; assessments modeling, marine databases; Shipping finance and investment, Maritime regulations and compliance; Bunkering, port and terminal issues; Shipping operations and logistics optimization including Maritime safety and risk management, Maritime technology and innovation, ENC's production for Navigation; Environmental sustainability and compliance as of IMO, MARPOL, SOLAS regulations; Maritime security and piracy prevention via edge CubeSat technology; Specifications for defence vessels construction, science and technology for Autonomous Underwater Vehicles (AUVs), Maritime workforce development and training in association with universities and RTD centres.

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# HORIZON Europe Maritime Projects

by **EPSILON Malta**  
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## EXPERTISE

### Sectors

- Environment
- Water
- Ecosystems
- Disasters
- Civil Protection
- Geomatics
- **Maritime**
- AeroSystems
- Energy
- Management

### Technologies

- Math Modelling
- Digital Twins
- GIS/Copernicus
- AI/ML
- LCA/LCC/LCPA
- DSS
- Economics
- Impacts
- Dissemination
- Marketing

## PROJECTS

### DECISMAR MANAGEMENT | 2024/PESCO:

Development of a Decision Support Toolbox for enhancing the feasibility study of the Upgrade of Maritime Surveillance through the integration of legacy assets with new innovative solutions (via Aberon)

### ENC ENERGY GEOMATICS | 2004:

Digitalized and object oriented maps for maritime navigation | <https://hnhs.gr/en/products/electronic-navigational-charts>

### MALTA PORT RISKS | 2017:

Risk Assessment and Emergency Planning for the port of Valletta passenger Terminal | [www.etenders.gov.mt](http://www.etenders.gov.mt)

### BLUEISLES | 2025:

Fishing Waste Reduction and Marine Systems Preservation in Europe | [blueisles.eu](http://blueisles.eu)

### AFM PROJECT TEAM | 2022:

Procurement of an offshore patrol vessel to the armed forces of Malta | [afmproject.com](http://afmproject.com)

### ENVISYS CIVIL PROTECTION | 2024:

Oil spill environmental monitoring, warning and emergency management system | [www.envisys.tech](http://www.envisys.tech)

### FLEETfor55 | 2025:

Energy efficiency in EU waterborne transport | [www.elke.ntua.gr](http://www.elke.ntua.gr)

### HS4U | 2025:

Healthier Future in Shipping | [hs4u.eu](http://hs4u.eu)

### ECOSHIPYARD | 2025:

Sustainable Shipbuilding Practices | [ecoshipyard.eu](http://ecoshipyard.eu)



## PROJECTS

### SMARTSHIP | 2025:

Energy Efficiency, & Emissions Management of Vessels | [www.SmartShip.eu](http://www.SmartShip.eu)

### VESSELSLIFE | 2021:

Effective Alternatives For The Life Of The Ship | [vesselslife.com](http://vesselslife.com)

### iCREW | 2025:

Small Craft Simulator For Advanced Crew Training | [www.icrew.club](http://www.icrew.club)

### HOLISHIP | 2020:

Holistic Optimization Of Ship Design & Operation For Life Cycle | [holiship.eu](http://holiship.eu)

### ENVIROLAWS | 2016:

Environmental Laws Retrieval Systems For Greece

### BYTHOS | 2022:

Maritime and marine technologies linked to the fisheries value chain

### PORT.RISKS | 2020:

Evaluation of Risks from Tourism Vessels demarcation, Ports of Malta Maritime, shipping risk analysis

### RAWFIE | EC/H2020:

Road-, Air- and Water- based Future Internet Experimentation, considering multimodal operations any emergencies | [www.rawfie.eu](http://www.rawfie.eu)

### SMART-ISLANDS (EC):

3D Smart Webservices for Mediterranean Islands | [cordis.europa.eu/project/id/270998](http://cordis.europa.eu/project/id/270998)

### OPTISHIP | 2025:

Ship Navigation, Emissions, Resources Management | [optiship.eu](http://optiship.eu)

### FUSION | 2020:

A novel Life Cycle Assessment (LCA) Tool for maritime application.

[www.epsilonmalta.com](http://www.epsilonmalta.com)