

HORIZON EUROPE BROKERAGE 2026

CLUSTER 5 CLIMATE, ENERGY & MOBILITY

14 January 2026

online





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EPSILON is a T Consulting, and R Environment & V Aerosystems, Mar Natural Disasters, a

EPSILON was fir Massachusetts, US it oper-ates world-w companies with k Bulgaria, Cyprus, Ge European countries: world technology engineering & con commodities, training, and state-of-technology products as geospatial database infrastructures and up-to-the-minute navigation & environment technologies

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SILON delivers ourcing & R&D

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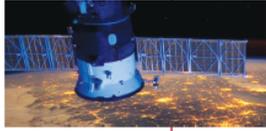
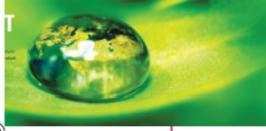


CL5

**Climate,
Energy &
Mobility**

by EPSILON Malta

<https://epsilon.international>



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

PANTHEON | 2025: Tomorrow's Community Disaster Resilience | pantheon-project.eu

TRANSFORMAR | 2025: Upscaling transformational adaptation | transformar.eu

NEUROCLIMA | 2025: Smart Climate Adaptation & Resilience | neuroclima.eu

BLUEISLES | 2025: Fishing Waste Reduction and Marine Systems Preservation in Europe | blueisles.eu

AGRARIAN | 2025: Farming at the Edge | agrarian-project.eu

TRACE | 2025: Integration & Harmonization of Logistics Operations | trace-horizon.eu

FLEETfor55 | 2025: Energy efficiency in EU waterborne transport | www.elke.ntua.gr

HS4U | 2025: Healthier Future in Shipping | hs4u.eu

MALTA RISKS | 2020: Malta National Risk Assessment | www.epsilon.gr

ZEROPARASITIC | 2021: Reducing Agricultural Chemical Waste | zeroparasitic.eu

SUNSHINE | 2020: Urban Services For Higher Energy Efficiency | Sunshine Project

SIM4NEXUS | 2024: Sustainable & Integrated Management of Resources | sim4nexus.eu

ECOSHIPPYARD | 2025: Sustainable Shipbuilding Practices | ecoshipyard.eu

NATURE SDIPlus | 2024: Best Practice Network for SDI in Nature Conservation NATURE | optiship.eu

OPTISHIP | 2025: Ship Navigation, Emissions, Resources Management | optiship.eu

PROJECTS

SMARTSHIP | 2025: Energy Efficiency, & Emissions Management of Vessels | www.SmartShip.eu

SMESPIRE | 2014: Environmental INSPIRE Digital Content & Languages | transformar.eu

HERO20FF | 2015: UAS For Wind Field Estimation Along Forest Fires | www.epsilon.gr

VESSELSLIFE | 2021: Effective Alternatives For The Life Of The Ship | vesselslife.com

iCREW | 2025: Small Craft Simulator For Advanced Crew Training | www.icrew.club

HOLISHIP | 2020: Holistic Optimization Of Ship Design & Operation For Life Cycle | holiship.eu

ENVIROLAWS | 2016: Environmental Laws Retrieval Systems For Greece | www.elke.ntua.gr

iScope | 2020: Open Platform for urban Ecosystems | iscopeproject.net

GEOSMARTCITIES | 2017: Applications Towards Smart Cities | www.geosmartcity.eu

iLocate | 2017: Location & Asset Management Through Open geodata | i-locate.eu

AURORA | 2019: Ultraviolet Radiation and Ozone Retrieval for Applications | aurora.eu

eEmissions | 2018: Electronic Reporting Tools For The Industrial Emissions (EEA, DGENV) | sim4nexus.eu

eENV+ | 2016: Environmental Services For Advanced Applications With Inspire | eENVplus

GRECORISKS | 2014: Hellenic Natural-Hazards Risk-Management System of Systems

<https://epsilon.international>

Target Topics (partner/coordination)

- **HORIZON-CL5-2026-09-D4-03** – Advanced data platforms to integrate whole-life carbon in building information tools, assessments, and certification.
- **HORIZON-CL5-2026-03-D3-21** – AI-controlled grid-scale energy storage.
- **HORIZON-CL5-2026-03-D3-23** – AI-driven forecasting & energy sharing



- **Type:** Private SME – Engineering, & R&I consulting group
- **Country:** Malta (EU) + OTHER
- **Relevant expertise for Cluster 5:**
 - Life Cycle Assessment (LCA), Whole-Life Carbon (WLC) & decision-support systems
 - Digital Twins
 - Environmental, energy & systems modelling (prospective / scenario-based).
 - Digital platforms integrating assessment, data and policy indicators.
 - Sustainability, regulatory & policy-oriented impact assessment.

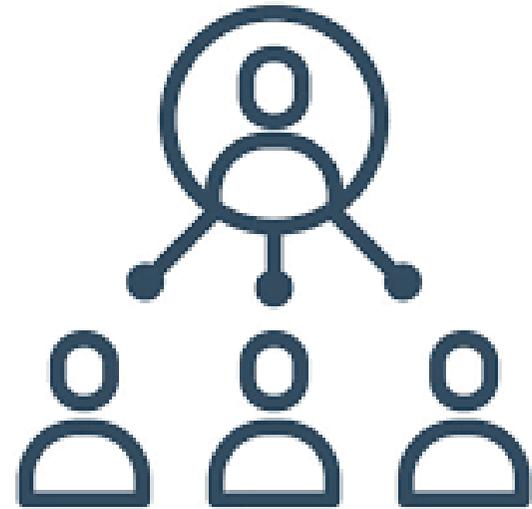
*EPSILON has participated in **100+ EU-funded R&I projects**, with strong experience in energy systems, environment and lifecycle-based methodologies.*



- **Methodology leadership** for LCA and Whole-Life Carbon in buildings and energy systems.
- **Integration of lifecycle and circularity logic** into data platforms and decision-support tools.
- **Scenario and trade-off analysis** supporting renovation pathways, storage deployment and energy sharing concepts.
- **Environmental KPIs** aligned with EN 15978, ISO 14040/44 and EU Environmental Footprint.
- Policy-relevant evidence **supporting certification, impact assessment and Societal Readiness.**

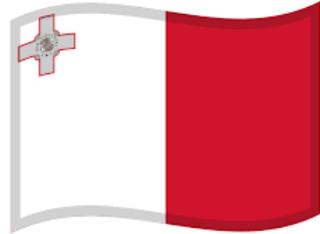


Partner or Coordinator





On the Epsilon Group (GR, CY, BG, MT, IT, DR)



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