



This project is co-financed by the European Union
and the Republic of Türkiye



ICTürkiye2025
10 April, İstanbul

ERDENİZ EROL

ELKON ELEKTRİK

MOBILITY

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ELKON

Hybrid Ferries(LNG/Diesel/Battery)

elkon Scope

Propulsion Control and 2 x 2200kW,
2 x 550kW e-Drive Systems + 1200
kW/10min Battery Package(Corvus)
ICAMS
Electrical Installation and Integration
Elkon



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elkon

ELKON

Elkon is an electrical system integrator in shipbuilding since 1980, to design, manufacture, integrate and commission low-voltage electrical equipment and automation systems for the maritime industry. **Elkon** is an international & global brand and has a Marine Electric R&D Center and production center in Turkey, but the operation area is the whole of Europe. In line

LNG BATTERY ELECTRIC



FULL ELECTRIC FERRY



OFFSHORE VESSELS



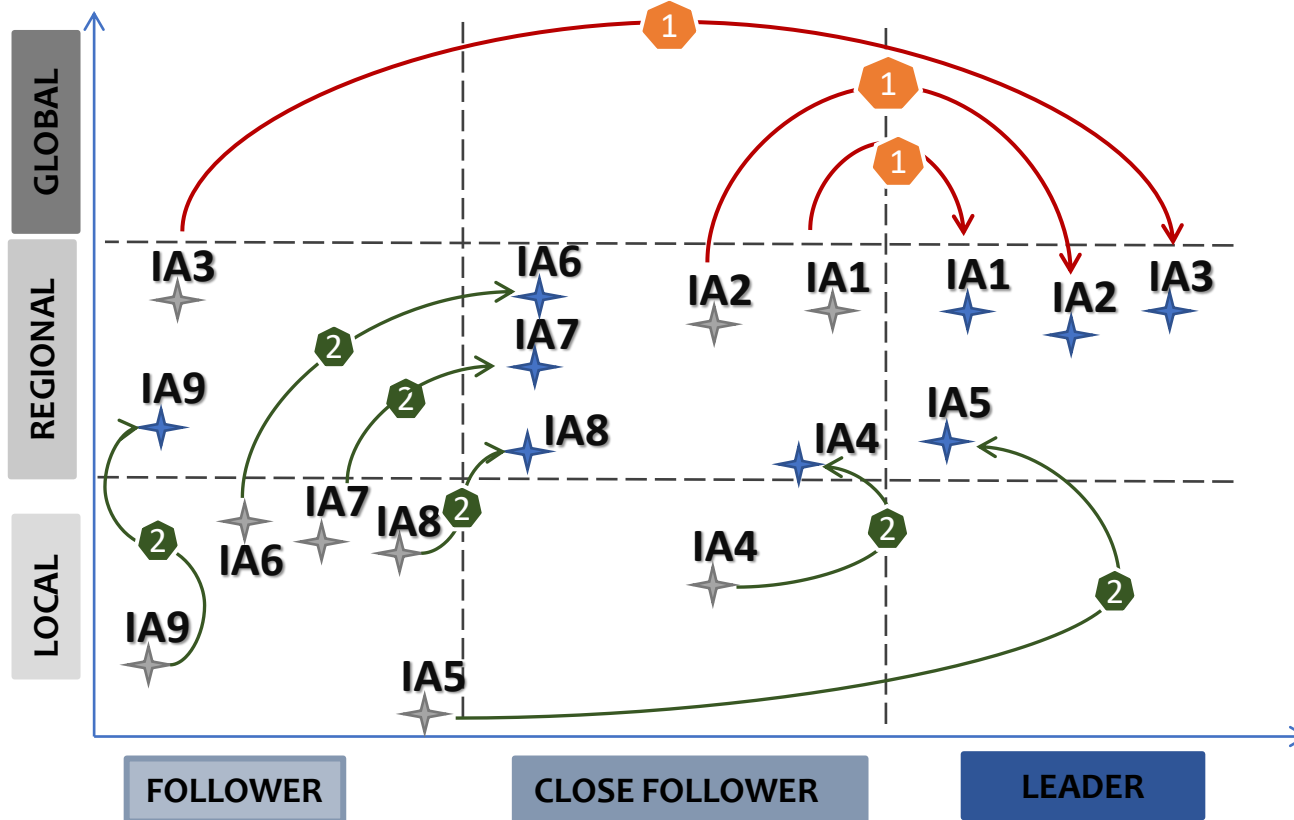
FULL ELECTRIC TUG





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ELKON R&D and Innovation Strategy Matrix 2.0 (2022-2027)



IA1. Ship Electrification (System Integration / Battery, fuel cell)

IA2. Energy Management Systems (EMS) Efficiency of Ships

IA3. Design & Retrofitting (Digital twin / Short range battery)

IA4. Digital Green (Real-time autonomy, Condition monitoring)

IA5. Ports (Charging Systems)

IA6. Land based Electric Systems (Off-Grid Inventor / Electric vehicle / bus charging systems)

IA7. Naval Projects (Submarine wireless charging systems)

IA8. Polar Studies (Icebreaker / Renewable / Zero Emissions)

IA9. Blue Growth (Digital Seas and Oceans / Sustainable Underwater ecosystem)



Home

Funding ▼








Procurement ▼

Projects & results ▼

News & events ▼

Work as an expert

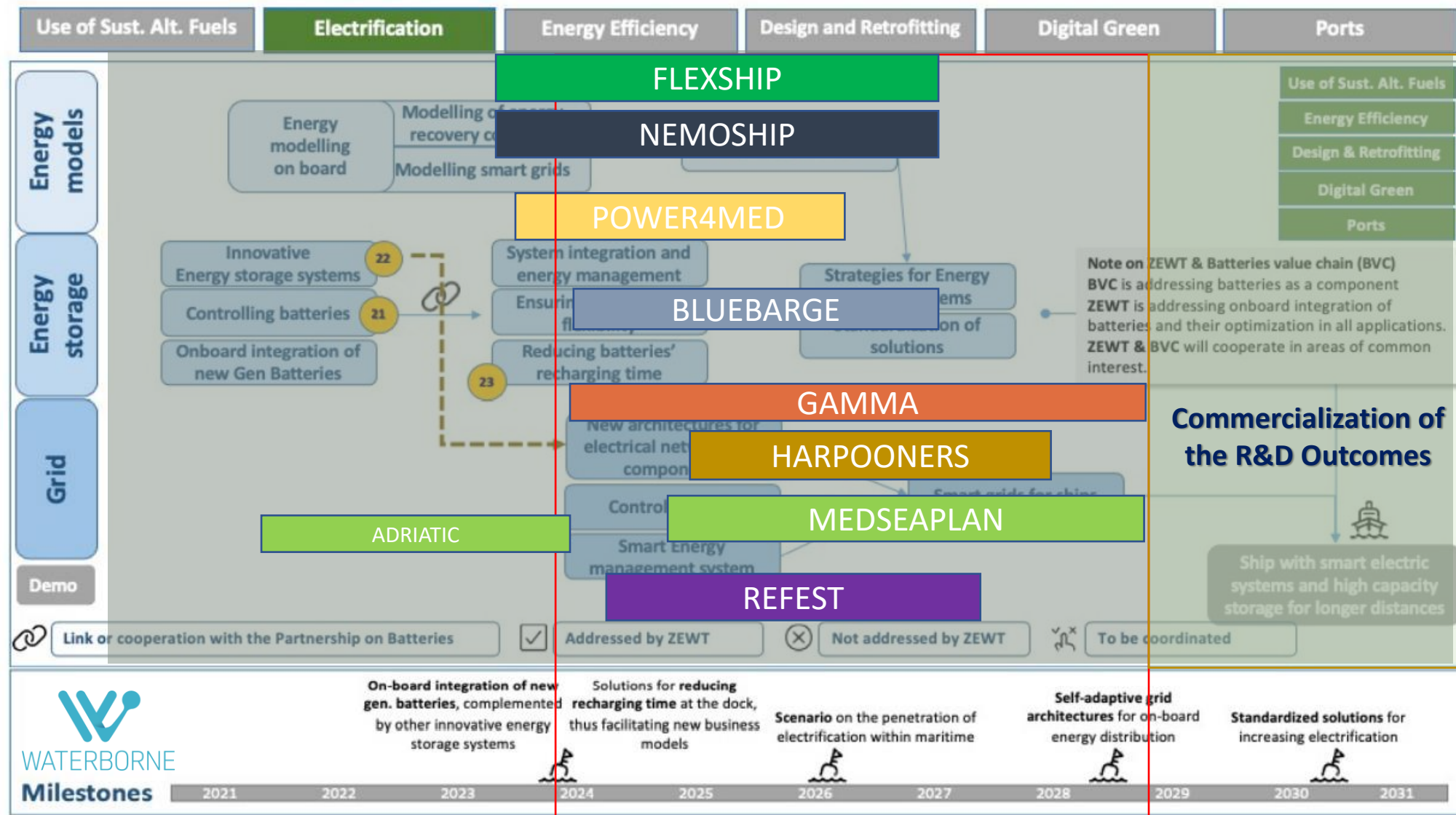
Guidance & documents ▼

 My Person Profile My Organisation(s) Grants ^ My Proposal(s) **My Project(s)** Procurement ^ My Contract(s) My Formal Notification(s) My Expert Area My Task(s)

My Project(s)

Results: 7

ACRONYM ▾	TOPIC ID ▾	PROGRAMME ▾	PROJECT ▾	PHASE ▾	ACTIONS ▾
NEMOSHIP	HORIZON-CL5-2022-D5-01-01	HORIZON	101096324	Active	Actions ⋮
FLEXSHIP	HORIZON-CL5-2022-D5-01-01	HORIZON	101095863	Active	Actions ⋮
POWER4MED	EMFAF-2023-PIA-FLAGSHIP-3-MED	EMFAF	101124786	Active	Actions ⋮
BlueBARGE	HORIZON-CL5-2023-D5-01-14	HORIZON	101138694	Active	Actions ⋮
GAMMA	HORIZON-CL5-2023-D5-01-12	HORIZON	101138620	Active	Actions ⋮
REFEST	HORIZON-MISS-2023-OCEAN-01-05	HORIZON	101157663	Active	Actions ⋮
HARPOONERS	HORIZON-CL5-2024-D5-01-11	HORIZON	101192699		Actions ⋮



Partners of Elkon's Horizon Europe R&D Funded Projects



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blue**e**barge

GAMMA
E-FUELS

FLEXSHIP

NEMOSHIP

Power4ED

REFEST

elkon
electric system integrator
a member of the SCHOTTEL Group

Elkon's budget:
over 3 M€ (~2 M€ funded)

Project Call Topics

- HORIZON-CL5-2025-01-D5-10: Innovative solutions for energy conversion and safety of low and zero-carbon fuels in waterborne transport (ZEWT Partnership)
- **HORIZON-CL5-2025-01-D5-11: Demonstration of battery energy storage systems in existing and new vessels via novel energy storage and ship design concepts (ZEWT Partnership)**
- HORIZON-CL5-2025-01-D5-12: Real-time, adaptative and innovative energy management solutions to optimise fuel consumption and lower emissions pollutants in waterborne transport (ZEWT Partnership)
- HORIZON-CL5-2025-01-D5-13: Novel holistic intelligent tools for variable retrofit and decarbonised scenarios (ZEWT Partnership)
- **HORIZON-CL5-2025-01-D5-14: Flexible and mobile solutions for Onshore Power Supply (ZEWT Partnership)**
- HORIZON-CL5-2025-01-D5-15: Optimal integrated onboard renewable energy solutions, by considering wind-powered and hull performance technologies (ZEWT Partnership)
- HORIZON-CL5-2025-01-D5-16: Support of the new EU renewable and low carbon fuel ecosystem for waterborne transport
- HORIZON-CL5-2026-01-D5-17: Real time monitoring of regulated and non-regulated emissions from all types of vessels and other port activities in order to enforce emission limits in waterfront cities



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