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The network of Horizon Europe Cluster 5 National Contact Point.



RIVOLVE. Real-time Intelligence for Vessel Operations, Logistics and Voyage Efficiency

GREENET Brokerage Event
19 November 2026

Mr. Harry Tsahalis, PARAGON S.A.
https://greenet-brokerage-event-2026-calls.b2match.io/participants/197

on behalf of the RIVOLVE leader and consortium



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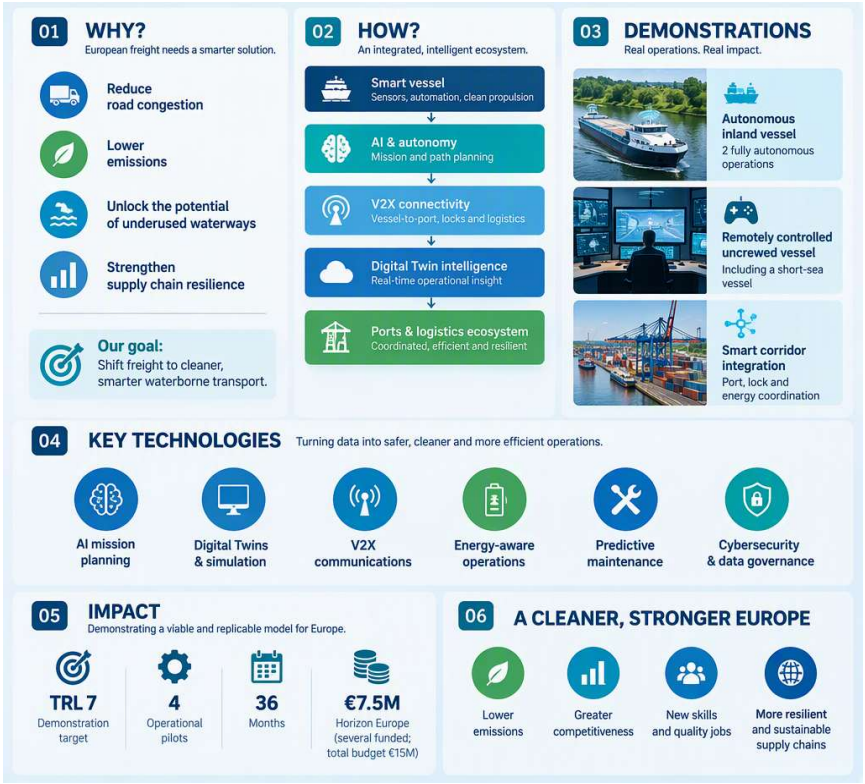
RIVOLVE. Real-time Intelligence for Vessel Operations, Logistics and Voyage Efficiency

HORIZON-CL5-2027-03-D5-16

- RIVOLVE will demonstrate an integrated framework for autonomous, remotely operated, connected and energy-aware freight transport, combining AI mission planning, V2X, simulation, Digital Twins, environmental intelligence and predictive maintenance.
- The project will validate two distinct fully autonomous inland-waterway operations on at least one inland vessel and two different remotely controlled uncrewed vessels, including at least one short-sea vessel.
- Its key innovation is connecting vessel autonomy with corridor-level intelligence, coordinating navigation, port calls, infrastructure, energy availability, cargo operations and equipment health while preserving onboard safety during communication failures.



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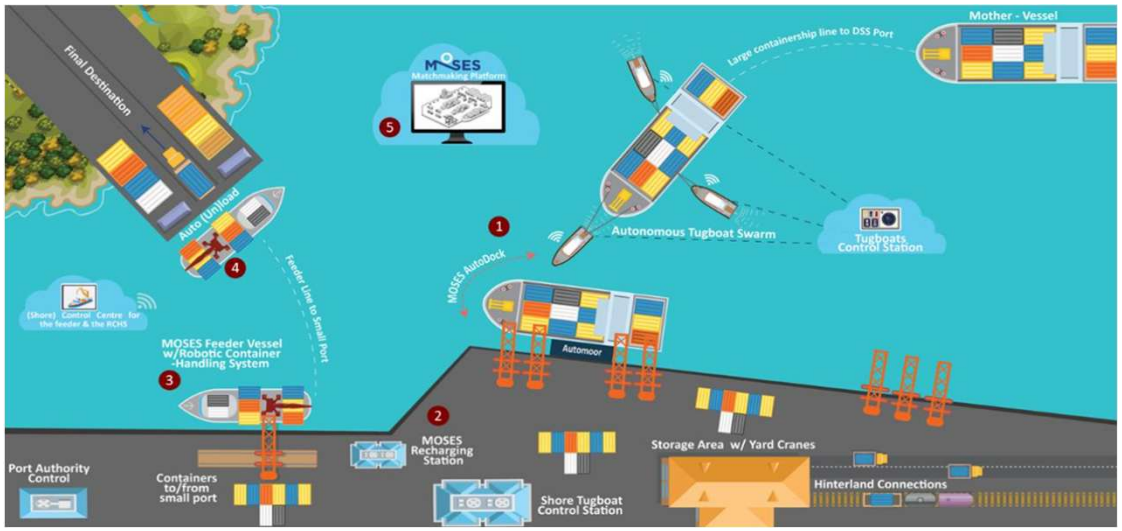
Current consortium:

- CT Engineering (Spain; leader)
- BAB-Boat (France)
- NATPower / AIMovation (UK / Italy)
- GEONumerics (Spain)
- Soter (Spain)
- Averbian (Spain)
- Quantia (Spain)
- Paragon S.A. (Greece)



Profile of the partners sought:

- Vessel owners/operators and shipbuilders
- Autonomous navigation and remote-control technology providers
- Ports and waterway authorities
- Energy-system and battery-management experts
- Research organisations covering safety, cybersecurity, environmental assessment and regulatory compliance.

Contact details!

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CT Eng. main expertise: AI, Simulation, Digital Twins, IoT, V2X comms and XR.

THANK YOU for your kind attention