

Survey vessel ecosystem

From waterway question to decision-ready data

A modular, human-supervised system for European ports and inland waterways - combining the vessel, survey payload, remote operation, spatial awareness, data workflow, docking, training and service.

URBAN WATERWAY LOGISTICS x MARINE THINKING



WHY THIS APPROACH

More frequent insight, without treating the vessel as an isolated product.

01 Repeatable missions

Compare agreed routes over time and detect changes earlier.

02 Operator visibility

Bring vessel status, scene context and alerts into one supervised workflow.

03 Modular configuration

Select only the platform, payload and shore functions required for the site.

04 Decision-ready outputs

Connect accepted survey data to navigation, maintenance and dredging planning.

THE ECOSYSTEM

A connected stack, configured around the operating question.

1 Vessel & power

Electric platform, propulsion, endurance

2 Control & positioning

RTK, mission planning, remote supervision

3 Survey payload

Bathymetry and selected water-quality sensors

4 Awareness & alerts

LiDAR, cameras, inertial data, operator cues

5 Data & quality

Processing, review, maps and system integration

6 Docking & support

Charging, training, spares and service route

TWO PRACTICAL ENTRY ROUTES

Survey & monitoring

Repeat hydrographic and selected environmental missions.

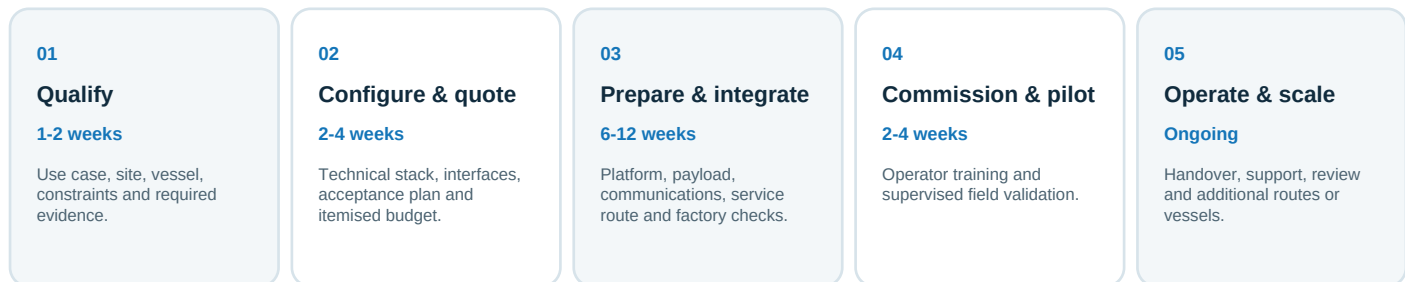
Awareness retrofit

Add spatial context and operator alerts to a suitable vessel.

From first discussion to supported operation

Indicative pathway - final scope and timing are confirmed after site assessment.

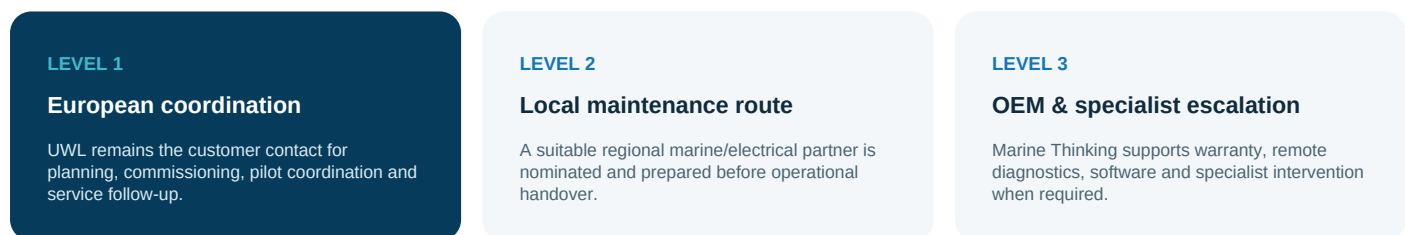
DEPLOYMENT PATHWAY



Typical route to a supervised field pilot: approximately 12-20+ weeks, subject to vessel availability, payload lead time, permissions and site conditions.

SERVICE SYSTEM

Local-first maintenance, backed by specialist technical support.



CONFIGURATION AND PRICING

An itemised budget, built from the selected ecosystem sections.

Public fixed prices would be misleading before the vessel, payload, survey standard, interfaces and service scope are agreed.

Platform	Hull, propulsion, batteries, endurance and delivery
Survey payload	SBES/MBES, positioning, water-quality and calibration
Control & awareness	Remote station, RTK, communications, sensors and alerts
Docking & energy	Optional dock, charging, gateway and site works
Integration	Engineering, factory checks, commissioning and training
Support	Warranty interface, spares, remote support and local service

To prepare a budgetary estimate

- Waterway/location and decision to support
- Required survey area and frequency
- Existing vessel, if any
- Required payload and data standard
- Preferred pilot timing and support model

SINGLE PROJECT CONTACT

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Customer and pilot enquiries enter through UWL; technical configuration is prepared with Marine Thinking and the relevant service partners.