

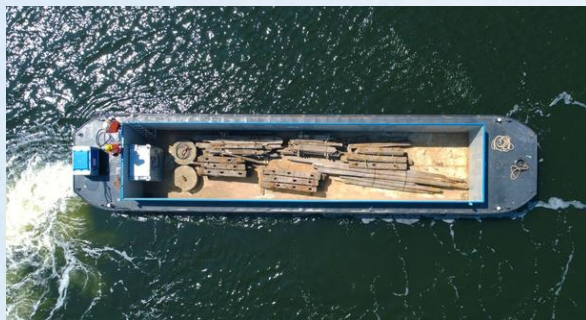
Amsterdam - The Netherlands

Autonomous electric waterborne vessel for waste logistics



Code: AM-UC01

Brief: ZoevCity's autonomous electric vessel shifts heavy transport from roads to waterways, reducing emissions and noise.



Key Urban Challenges Addressed:

- Infrastructure strain: Heavy trucks damage historic streets and bridges.
- Safety risks: Dense waterborne traffic increases accident likelihood.
- Workforce shortage: Maritime labour shortages make automation urgent.

Goals & Anticipated Benefits:

- Reduce emissions & improve air quality: Shift freight to electric, autonomous vessels.
- Relieve roads: Free space for pedestrians and bikes.
- Improve safety on the water: Use AI to improve waterborne traffic flow and safety in real time via smart systems.

Ownership:

- **ZoevCity**, with subcontractor Roboat, develops infrastructure
- **ZoevCity** retains full ownership of the hardware
- **Roboat** licenses software and computing resources to enable autonomous operations

Infrastructure:

- One ZoevCity electric waterborne barge vessel
- 2 x 360 degree motors (front and back)
- Sensors, cameras, Lidar, GPS, 5G
- Software to interpret sensor/camera data



Location:

The legal framework for autonomous sailing in Amsterdam is still evolving. Initial tests will occur near ZoevCity HQ in Havenkolom F, with further trials near Roboat HQ at the Marineterrein.



Timeline:



Co-funded by
the European Union