Urban logistics / Last mile

Automation (physical) and robotics

Small Flexible Autonomous Zero-emission Vessel (SFAZ)

Developed by :

NEAC INDUSTRY

HOUT & BOUW OPLEIDINGSCENTRUM

Project by :

FOREMAST

Funded by the European Union

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Solution description

The vessel is less than 20 meters and can sail in estuaries, urban waterways an in shallow waters.

Tight turns can be taken and cargo of different kinds can be (un)loaded.

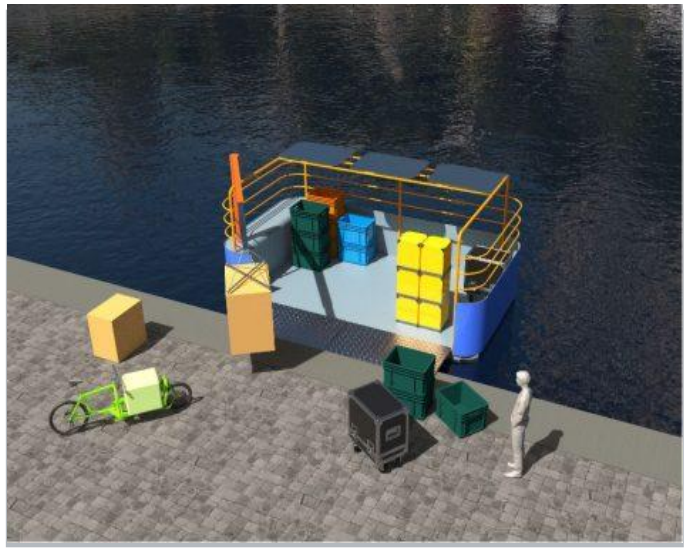
Autonomous sailing is foreseen and Swarming and Platooning will be a possibility.

Zero-emission by means of hybrid and/or electric energy solutions.

Benefits

- Alternative for (electric) vans/trucks used for urban logistics.
- Use resources more efficiently, cutting energy consumption and emissions
- Reduces congestion in the cities
- Safer urban environment for pedestrians, cyclists,..
- Increase terminal capacity

Main beneficiary:
Cities (and their citizens, visitors) having an exploitable Urban Waterway Network



Technology readiness level : *6*
Implementation stage : *Pilot*

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Demo's :

Gent (BE):
transporting cargo between **urban industrial sites** via canals

Caen (FR):
using small automated vessels to move goods within the city's canals as an alternative to road vans

Share your contact details and we'll get in touch with you!

Would you like to know more? Take contact :

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