



Shifting to zero-emission logistics with right-sized, mission-focused, N1 eLCVs

Advancing emission-free logistics solutions for sustainable urban mobility

In urban areas across Europe, achieving zero-emission logistics is no longer just a policy preference, but a growing and crucial necessity.

Shift2Zero is a European project pioneering innovative designs and cutting-edge solutions for zero-emission electric light commercial vehicles (e-LCVs), tailored to meet the evolving needs of urban logistics.

The project's primary goal is to reduce road transport emissions and to enhance operational efficiency, ensuring that the solutions developed are aligned with real-world challenges.



Shift2Zero innovations







- ➔ Optimised thermal comfort, tires and brakes
- ➔ Modular swappable concept
- ➔ Geofenced N1 vehicles for safe and sustainable driving
- ➔ Holistic smart energy management
- ➔ Multi-temperature cargo body
- ➔ Optimised space for dual transport

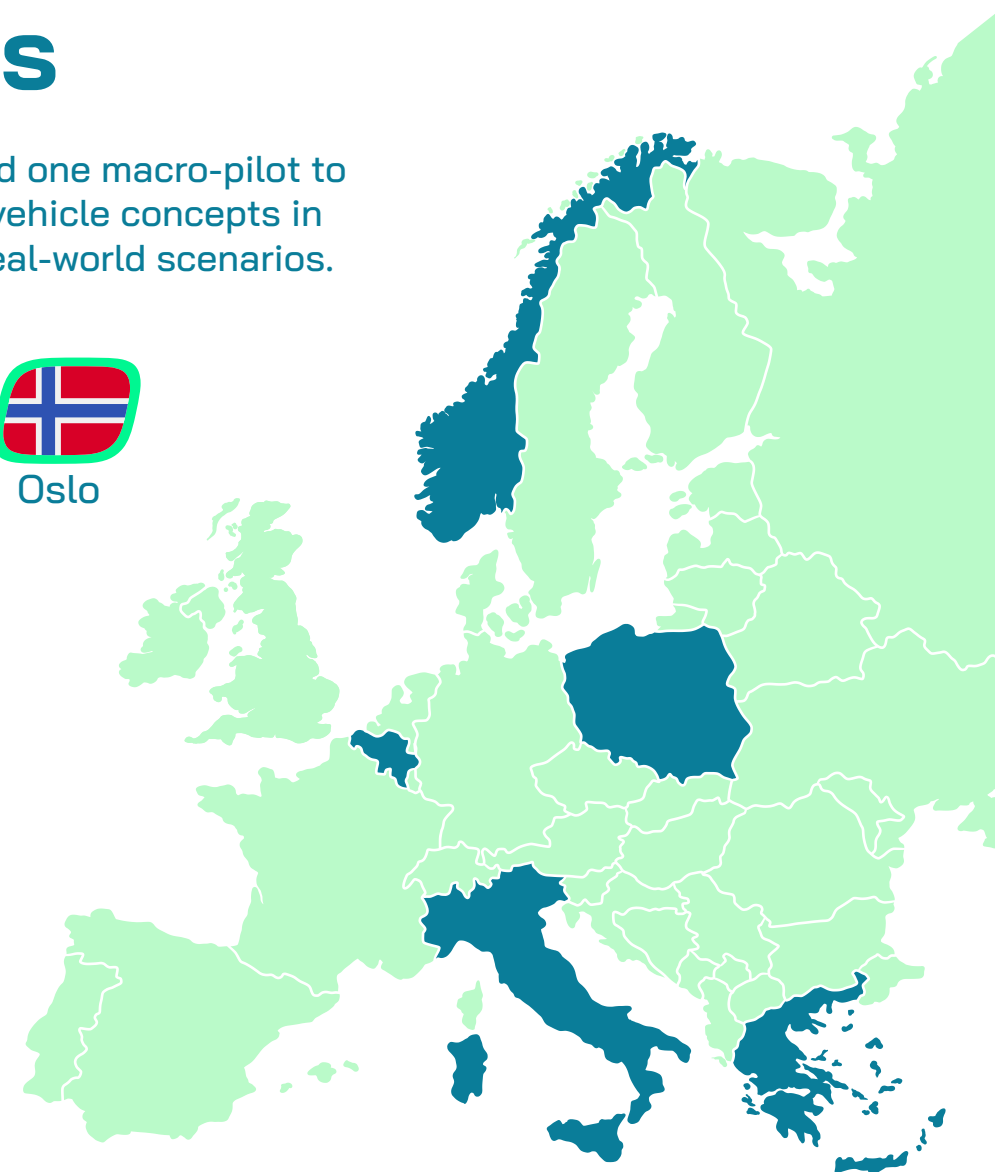
Expected impacts

-  **Significant CO₂ reduction**
Optimised vehicle design and energy-efficient systems to lower emissions.
-  **Increased adoption of e-LCVs**
Overcoming cost and operational barriers for wider electric light commercial vehicle use.
-  **Enhanced safety for drivers & pedestrians**
Sustainable materials and additive manufacturing to improve N1 vehicle safety.
-  **Future-proof logistics**
Adaptable, scalable vehicle solutions to ensure long-term operational efficiency.

Our pilots

Performing four pilots and one macro-pilot to demonstrate its six new vehicle concepts in scalable zero-emission real-world scenarios.

-  Brussels
-  Bergen
-  Oslo
-  Bologna
-  Wroclaw
-  Thessaloniki



Aligned with European automotive needs

Shift2Zero aims to speed up the shift to zero-emission logistics by combining the benefits of N1 vehicle platforms with custom designs. This approach bridges the gap between the current supply of N1 vehicles and the growing needs of urban logistics and climate goals.

CONSORTIUM:



CONTACT:

- www.shift2zero-project.eu
- info@shift2zero-project.eu
- Shift2Zero Project



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