



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

Advancing emission-free logistics solutions for sustainable urban mobility

Shift2Zero project develops **innovative designs and cutting-edge solutions for zero-emission electric light commercial vehicles (e-LCVS)**, tailored to meet the evolving needs of urban logistics. Its goal is to reduce road transport emissions while improving operational efficiency by addressing real-world challenges.

To achieve that, two proven platforms – **IVECO's e-Daily** (heavier N1 segment) and **Alké's ATX** (lighter, custom-build LCV segment) – will be upgraded for their potential to offer a right-fitted solution to logistics operators.

The Shift2Zero's solutions aim to accelerate the adoption of clean transport and support a more sustainable logistics and urban mobility future.



Start-end date

1 January 2025 – 30 June 2028



Duration

42 months



Budget

12M€, 10M€ funded by the European Commission under the Horizon Europe programme

Shift2Zero innovations



Optimised thermal comfort, tires and brakes



Holistic smart energy management



Modular swappable concept



Multi-temperature cargo body



Geofenced N1 vehicles for safe & sustainable driving



Optimised space for dual transport

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Shift2Zero Project



Co-funded by
the European Union

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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



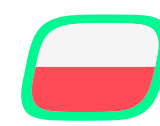
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