

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

Advancing zero-emission logistics solutions for sustainable urban mobility

Shift2Zero develops innovative and mission-focused N1 e-LCVs designs and functionalities that enhance efficiency, reduce emissions, and align with evolving logistics requirements.

To do that, two proven platforms – IVECO's e-Daily (heavier N1 segment) and Alkè's ATX (lighter, custom-build LCV segment) – are upgraded for their potential to offer a right-fitted solution to logistics operators. These platforms have already proven their performance and fit for transport operations within various applications.



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Co-funded by
the European Union

The Shift2Zero project has received funding from the European Union Horizon Europe Programme: project num. 101192375. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.



Accelerating zero-emission urban logistics

Innovative e-LCVs designs for emission-free logistics and sustainable mobility



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Shift2Zero features



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.

Project phases

1. Identification of user needs & demands.
2. Translation of insights into technical requirements.
3. Deployment & testing novel vehicle concepts in real-life operations.
4. Enhancing adoption rates.

ALIGNED WITH EUROPEAN AUTOMOTIVE NEEDS

Shift2Zero accelerates the transition to zero-emission logistics by combining the strengths of N1 vehicle platforms with purpose-built designs, addressing the gap between current N1 vehicle supply and the evolving demands of urban logistics and climate targets.



By engaging leading European industrial transport experts at the component, vehicle and system levels, Shift2Zero aims to strengthen the EU's position as a global leader in the transport market, with a particular focus on the e-LCV segment.

Shift2Zero innovations



Optimised thermal confort



Holistic smart energy management



Modular swappable concept



Multi-temperature cargo body



Geofenced N1 vehicles for safe and sustainable driving



Optimised space for dual transport

Shift2Zero Pilots



Brussels



Bergen



Oslo



Bologna



Wroclaw



Thessaloniki

