



Electric Urban Distribution

Athens Living Lab



Funded by the
European Union

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Urban logistics
Zero-emission delivery
Route optimisation

Developed by :



logika
Logistics Beyond

Project by :

**Green
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WHAT IS THE INNOVATION?

B2B deliveries and return pickups in Elefsina, Western Attica are often completed using conventional vans. Delivery rounds may include unnecessary journeys, limited vehicle utilization and separate trips for deliveries and returns, resulting in higher emissions and operating costs.

The pilot combines two Citroën Ami Cargo electric vans with a digital last-mile orchestration platform. The platform coordinates orders, routes, time slots, deliveries and return collections.

The same operational model is evaluated from two complementary perspectives:

- Environmental efficiency: reducing emissions, noise and vehicle-kilometers
- Productivity and cost efficiency: improving route performance, vehicle utilization and operating costs

Conventional diesel delivery vehicles are used as a comparison baseline.

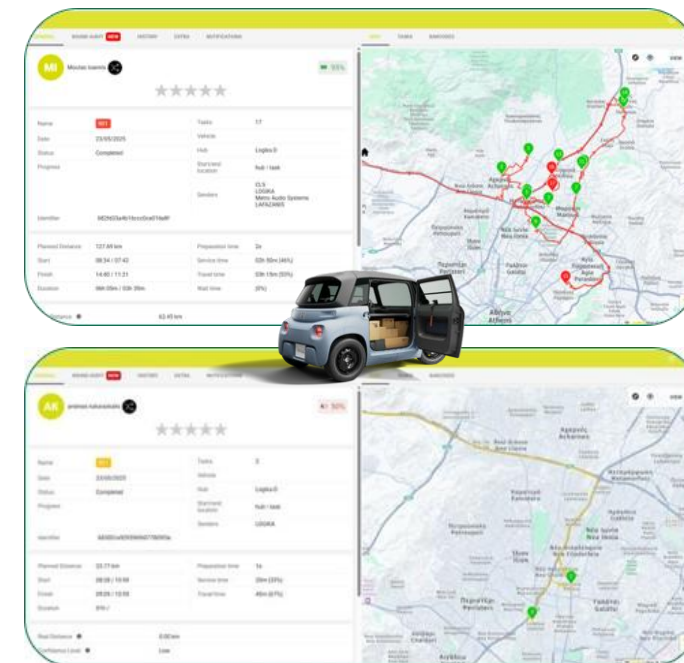


The solution combines vehicle electrification with digital orchestration and integrated reverse logistics. Its innovative elements include:

- Compact electric vans for B2B urban distribution
- Pre-declaration of returns and their integration into scheduled delivery rounds
- Digital simulation of multi-shipper consolidation based on minimum load thresholds
- Real-time route planning and scheduling
- Digital monitoring of operational and environmental performance
- Comparison of electric and diesel delivery operations
- A flexible model that can be adapted to changing delivery demand

Main Beneficiaries:

Logistics service providers, B2B customers, fleet operators, retailers, public authorities, urban residents and organizations managing delivery and return flows.



Technology readiness level :
Implementation stage :
Pilot

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THE PILOT IN ATHENS, GREECE

Pilot period: April 2026 – January 2027

The Athens pilot tests two Citroën Ami Cargo electric vans for B2B deliveries and return pickups in Elefsina, Western Attica.

A last-mile orchestration platform plans routes and delivery time slots, while pre-declared returns are integrated into scheduled delivery rounds. It also digitally simulates multi-shipper consolidation based on minimum load thresholds.

Electric-van operations are compared with conventional diesel vehicles to evaluate both environmental performance and productivity and cost efficiency.

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Distribution in Athens**

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