



Reform of a public transport system in wartime conditions

📌 Thursday, 27 November 2025

🕒 09:00 - 11:15

SESSION 4c

MOBILITY AS A RIGHT -
PUBLIC TRANSPORT AS A SERVICE

SPEAKERS

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and Street Infrastructure,
Lviv City Council

POLIS25
ANNUAL CONFERENCE

26-27 November 2025
Royal Jaarbeurs | Utrecht, Netherlands

Public transport in 2021

Private carriers

Municipal carrier
ATP-1

Trams
LCE "Lvivelectrotrans"

Trolleybuses
LCE "Lvivelectrotrans"

Total
number

164

215

65

70



28

188

11

68

56% of public transport was
accessible

Challenges of war time

2022

- February** - uncertainty and shock
- March** - internally displaced people crisis
- April** - missile and drone attacks
- May** - fuel shortage crisis
- October** - energy crisis with blackouts



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Traffic lights with uninterruptible power supply



99% have uninterruptible power supply

173 traffic light sites in the community



Installing battery systems on trolleybuses



11 trolleybuses have been equipped with battery systems so far

25 km range on battery power supply

- expanding the coverage of the route network;
- ensuring uninterrupted service during repairs and emergency outages;
- reducing the need for constructing additional overhead lines.

Accessibility challenge

2024 - 31 stops brought up to accessibility standards

2025 - 25

205 - stops are fully accessible

4045 - lowered curbs on crossings

39 - pedestrian crossings have been raised



Trams renewal

From



36% energy savings

To



7

5--section articulated trams
Electron T5L64
bought new within EIB project

11

Vevey Be 4/8
free donation from
Bern

23

Schindler Be 4/8
free donation from
Baselland

12

Tatra KT4DM
free donation from Berlin

Buses renewal

From



To



120

Low-floor buses purchased by private carriers

10

Purchased new middle class buses Ataman

48

Recently signed the procurement for new 12-meter buses

Accessible rolling stock

Private carriers

Municipal carrier
ATP-1

Trams
LCE "Lvivelectrotrans"

Trolleybuses
LCE "Lvivelectrotrans"

248 +84

236 +21

71 +6

69



130 +102

229 +41

38 +27

68

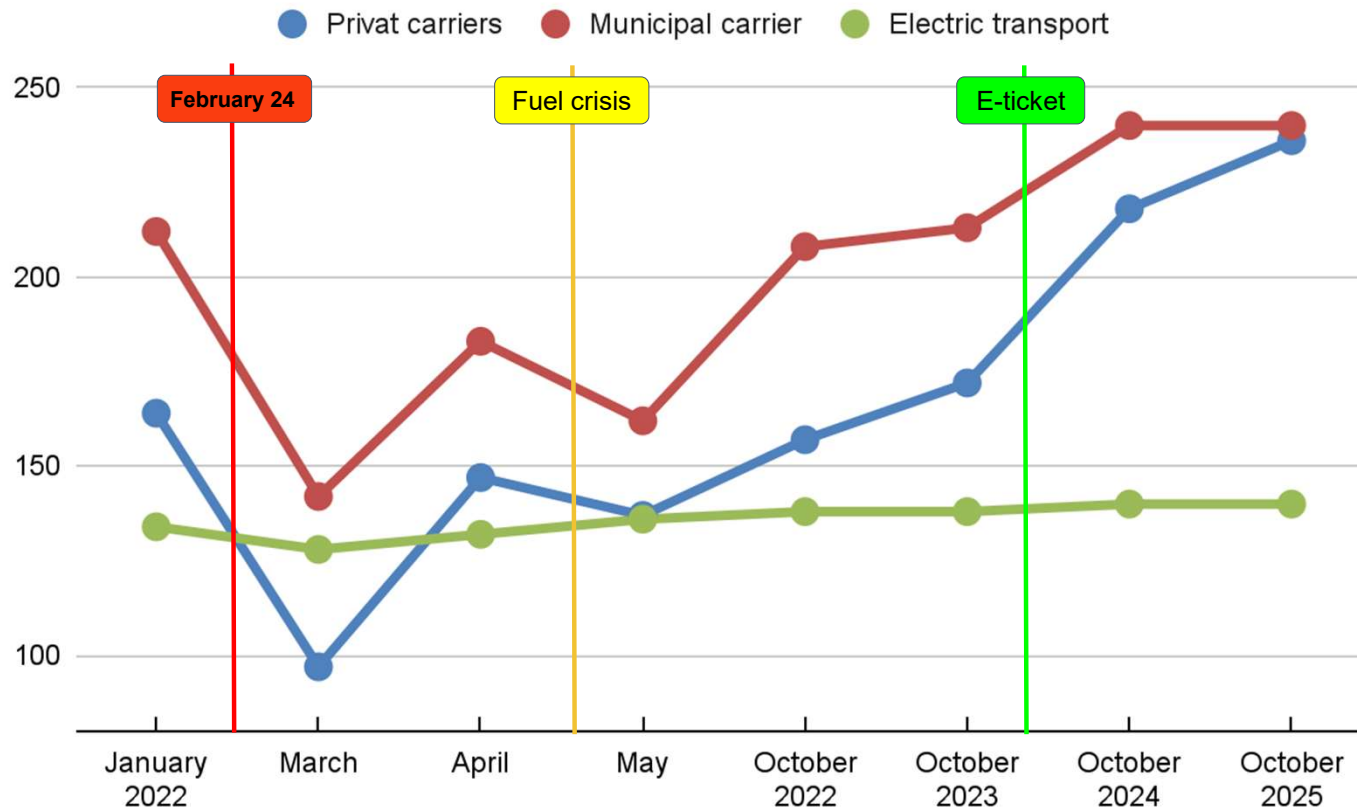
77% of public transport is +23%
accessible

Total
number

Low-floor

Deployment of public transport on routes since the full-scale invasion

2



- 1** зменшити ГТ жовтень
Orest Oleskiv, 12/11/2025
- 2** травень
Orest Oleskiv, 12/11/2025

Payment in transport (before 2023)

Electric transport

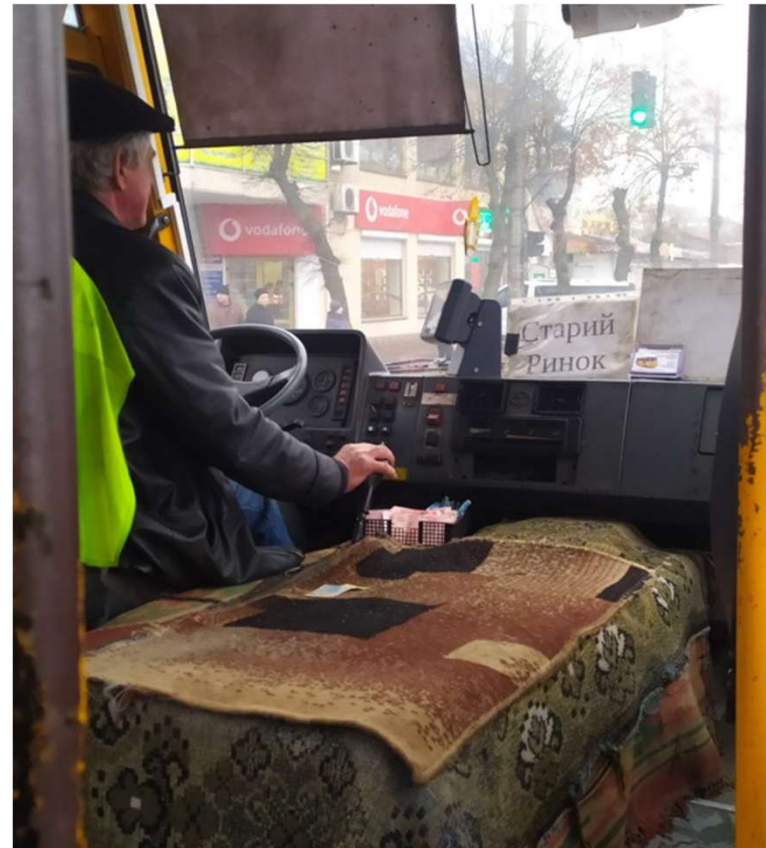


60% cash 40% cashless

Bus



100% cash



Introduction of E-Ticketing (December 2023)

CONTACTLESS

Leocard App



Leocard



Banking card



NFC device



WITH CASH



- flexible cloud-based solution;
- safe account based architecture;
- multiple ways to pay;
- autonomous on-board system with delayed authorisation;
- huge database for decision - making.

Launch day - December 11 2023



E-Ticket changed a lot

- ✓ Full cycle of control in all public transport, not just electric transport;
- ✓ A differentiated approach to pricing that encourages cashless forms of travel payment;
- ✓ Reduction in cash payments in all public transport from 88% to 7%
- ✓ For the first time, students travel for half the price in all transport;



E-Ticket changed a lot

- ✓ Transparent accounting of all categories of passengers has been ensured;
- ✓ The de-shadowing of fare payments has contributed to an increase in drivers' salaries and higher tax revenues;
- ✓ Savings for all passengers with LeoCard and the LeoCard app;
- ✓ Contactless payment ensured speed of boarding.



Further development of E-ticket services



Attacks on energy infrastructure



Attacks on apartment buildings



Attacks on energy infrastructure



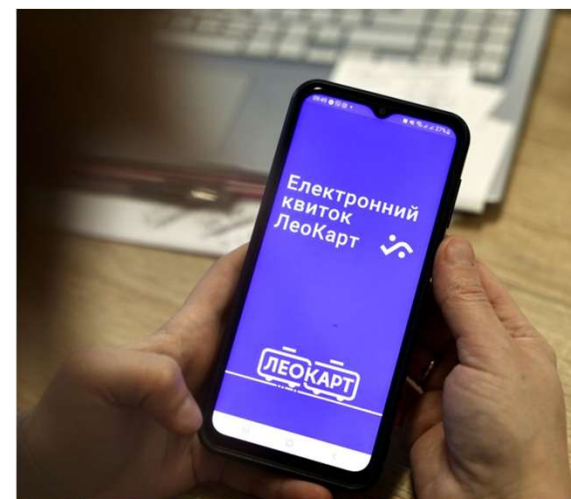
Attack on civilian and industrial infrastructure



July 2024 - free interchange within 40 min between all routes

December 2024 - mobile app Leocard

July 2025 - monthly pass for all public transport



PSO for electric transport

Ensuring financial stability -
improving service

- **48%** fewer service
delays

+15% more trips



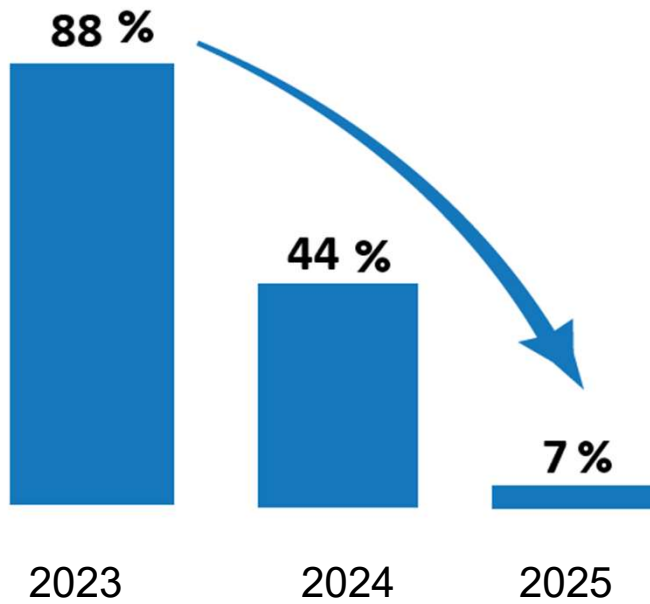
Lviv city
council

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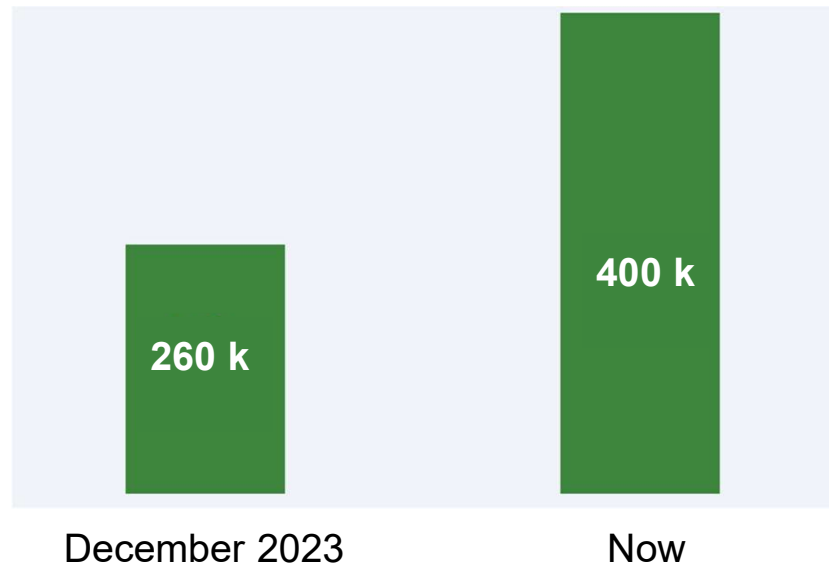
Results

50% growth in recorded trips

Cash payment



Average daily validations



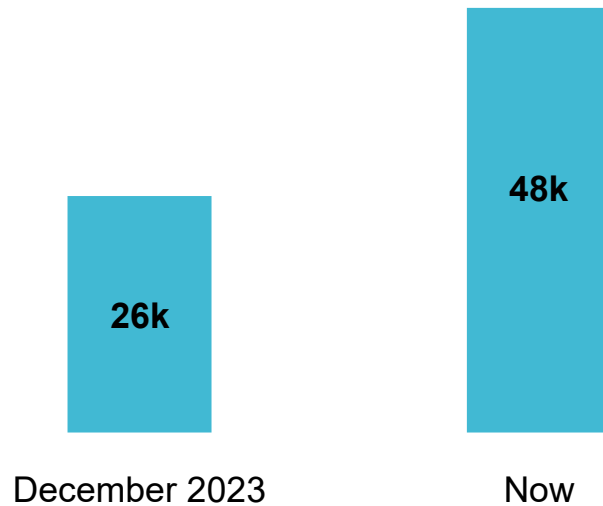
Results

1,7 times growth in driver`s salary

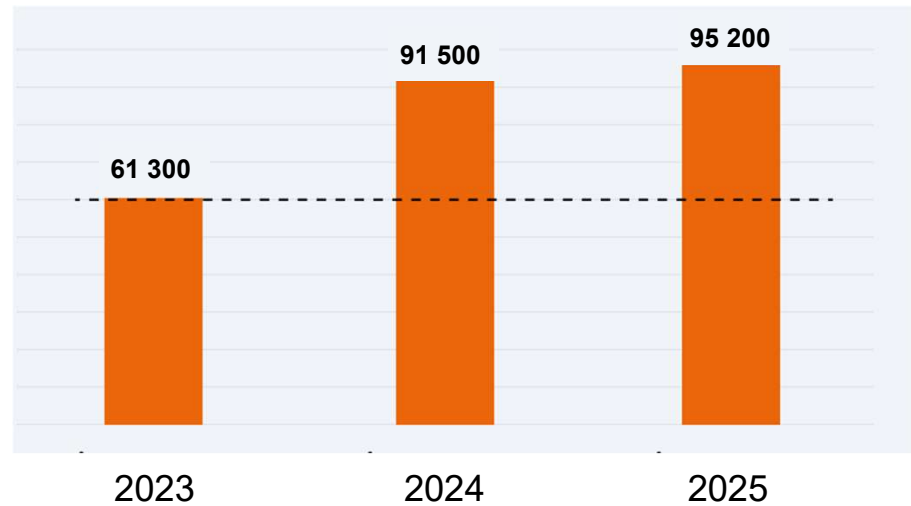
+130 mln increase in tax revenues

55% growth in carrier revenue

Driver`s salary



Revenue in monthly period





Thank you for your attention!

For more information:

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