

# Raising awareness of fundamental rights and EU values through sustainable transportation infrastructure



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IT science and practice

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2025 11 20



# Transportation & Fundamental Rights in Kaunas

- **Low-floor buses/trolleybuses** improve accessibility
- **Inclusive policies** reduce barriers for elderly, disabled & low-income groups
- **Mobility treated as a public right** supporting dignity & participation



# EU Values in Local Transport Planning

- **SUMP** focuses on greener, low-emission mobility  
(The city has adopted a Sustainable Urban Mobility Plan (SUMP) which sets quantitative targets: e.g., increasing the share of trips by bicycle from about 4% to 8%, while keeping walking at ~10%.)
- **Expansion** of cycling corridors & pedestrian zones  
(Infrastructure upgrades for walking & cycling: Sidewalks, underpasses, ramps for bikes; planning ~143 km of cycle paths in future.)
- **Smart traffic management & eco-buses** enhance innovation  
(Public transport modernisation: Example, the investment of ~€21.5 million to modernise the bus fleet in Kaunas. )





# Public Transport in Kaunas

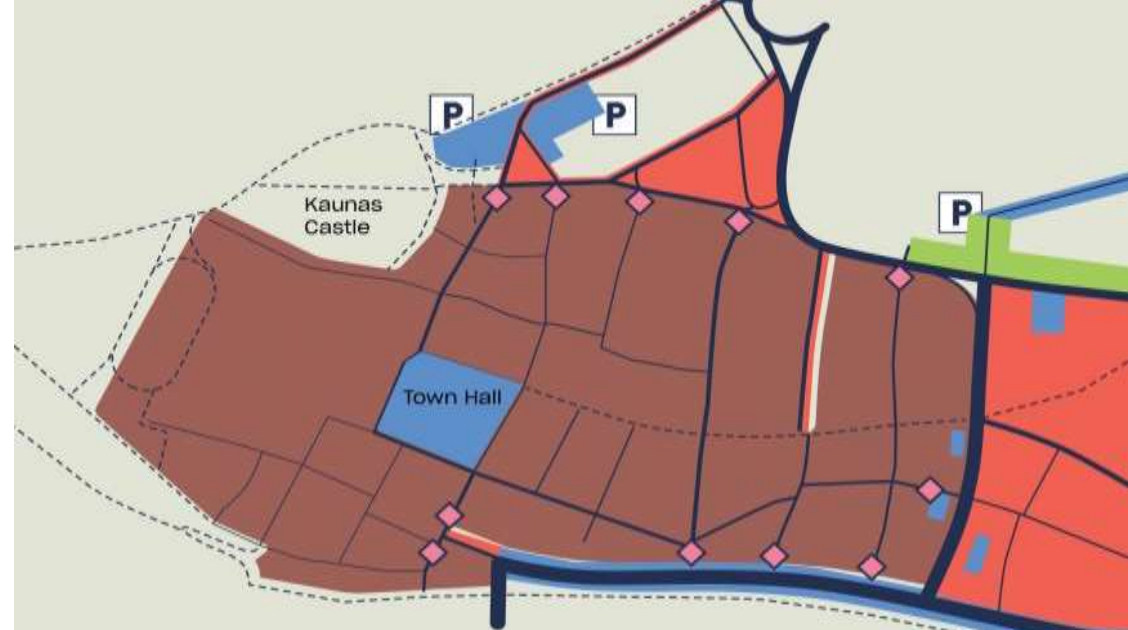


It's all simple: Download  
**ŽIOGAS APP** and use  
Kaunas public transport.

Find the app on *Google Play* and *Apple Store*  
Timetables, tickets and prices







## KAUNAS OLD TOWN LOW EMISSION ZONE (LEZ)



THE PRICE FOR EACH VEHICLE PASSAGE THROUGH LEZ IS 2 EUR.

- You can pay within 30 calendar days via [www.parkavimaskaune.lt](http://www.parkavimaskaune.lt) or [carOne](#) app

After paying for parking (via parking ticket machine, SMS, or apps [carOne](#), [Unipark](#), [ParkMan](#)), the LEZ fee does not apply.

- You can check the amount due here [stz.parkavimaskaune.lt](http://stz.parkavimaskaune.lt) or on the [carOne](#) app (enter your license plate number).
- Permit issuance and process [www.parkavimaskaune.lt](http://www.parkavimaskaune.lt)

◆ license plate recognition cameras

€ Parking ticket machine

● Old town low emission zone 2 €/hr

P Parking

Nearest other  
parking zones

● 0,50 €/hr

● 0,50 €/30 min.

● 0,50 €/15 min.

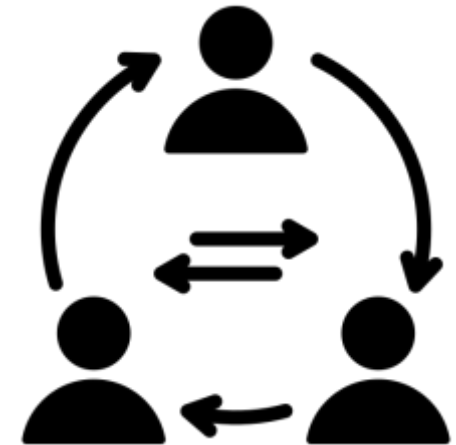
# Challenges in Aligning with EU Principles



**High car  
dependency in  
suburban districts**



**Modernizing  
historic  
infrastructure is  
complex**



**Behavioral change  
among residents  
takes time**

# Cultural & Historical Influences

- **Modernist heritage** encourages walkability & design-sensitive planning
- **Old Town & interwar districts** require adaptive solutions
- **Electric trolleybuses** protect historical areas from noise & pollution





# Measuring Impact

- **SUMP indicators** track emissions, accessibility & ridership
- Annual **mobility reports** & **public surveys** evaluate progress
- **Cooperation** with EU mobility observatories strengthens monitoring





# Best Practices from Kaunas

- ✓ **Universal accessibility** in public transport
- ✓ **Integrated SUMP** balancing climate, social & economic goals
- ✓ **Cycling networks & pedestrian zones** model EU-aligned sustainability

# Future

- To reach the cycling target (~8%), implementation of the planned 143 km cycle path network is key.
- Continued investment in low-emission public transport will help reduce per-trip emissions and shift people away from private cars.





# Future

- Measures to **discourage car use in city centre** (e.g., pedestrian zones, reduced speed limits, parking policy) could enhance sustainability.
- Monitoring and **public engagement** are essential: encouraging behavioural change, not just building infrastructure.





# GreenMove & International Cooperation

- **Knowledge exchange** strengthens rights-based planning
- **Joint tools** assess equality & environmental justice
- **Shared campaigns** boost public awareness of mobility rights



# Thank you for your attention!

