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NEW CONCEPT OF ON-STREET PARKING REGULATION IN PRAGUE, CZE

SUCCESSFULL IMPLEMENTATION OF SMART TECHNOLOGIES
INTO ON-STREET PARKING REGULATION, USE AND ENFORCEMENT

PRAGUE - QUICK CITY OVERVIEW

capital of
Czech Republic

population
1.294.513

17th largest
city in EU

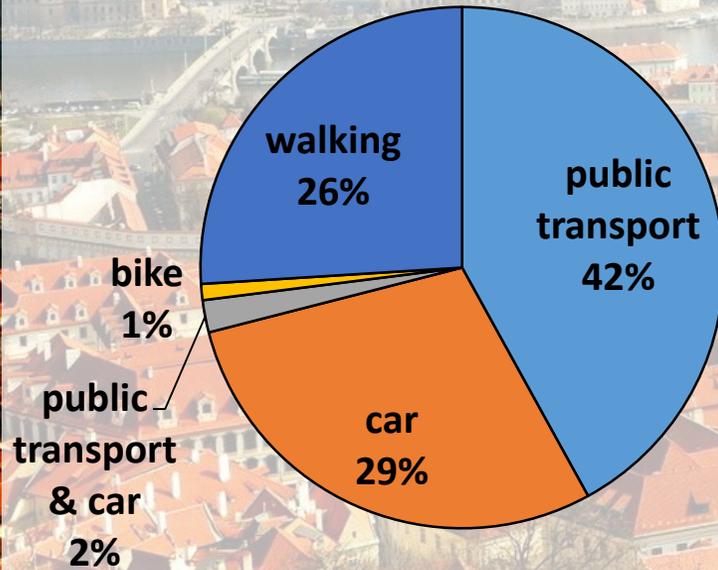
area
49,613 hectares

automobilisation
652 / 1.000 inhab.

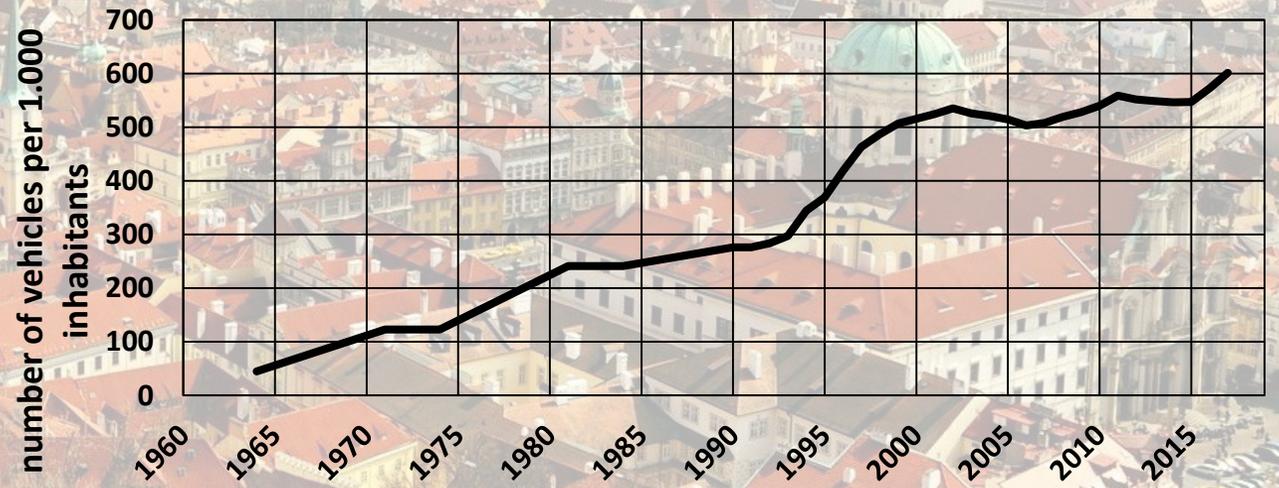
200.000
commuters every day

the busiest road section
136.000 vehicles / day

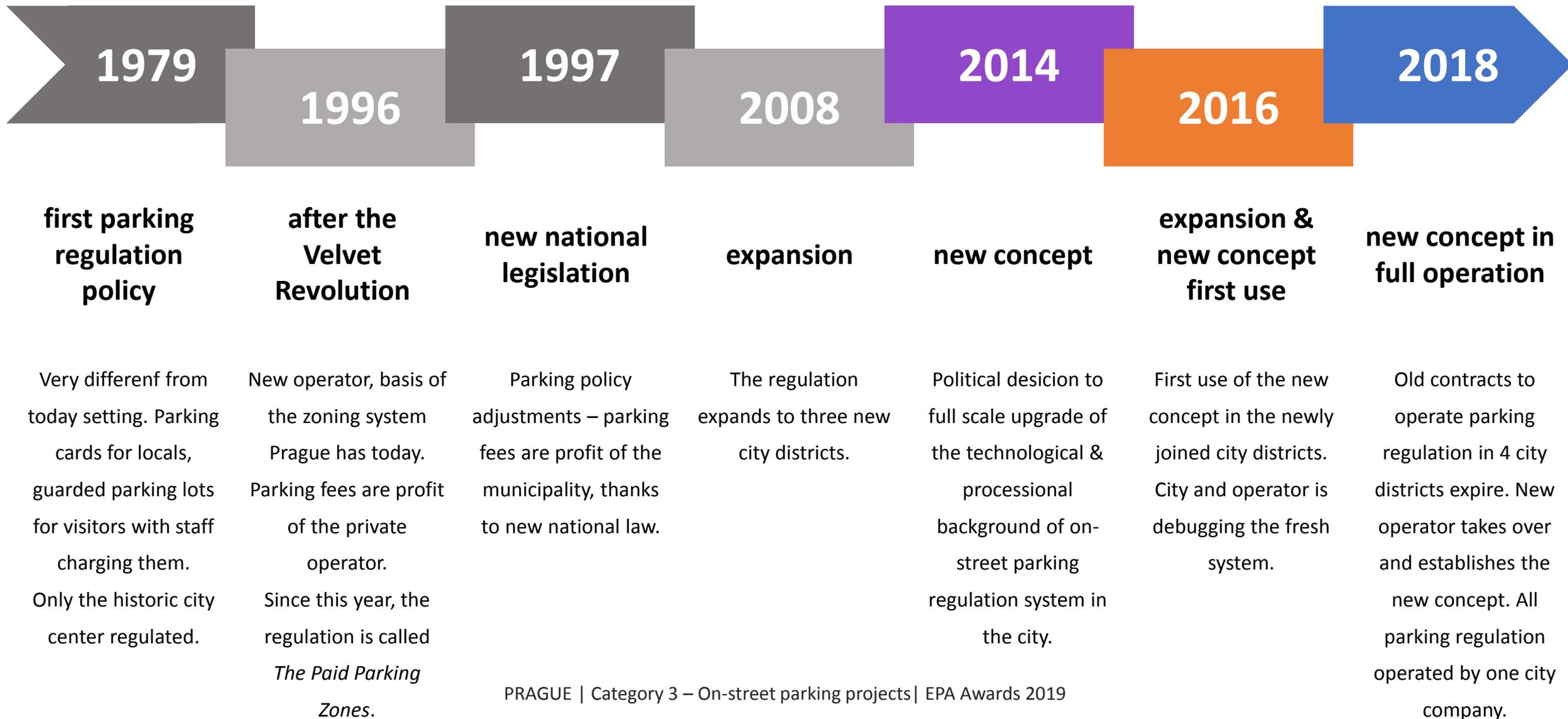
modal split



automobilisation in Prague



PARKING REGULATION TIMELINE



WHAT IS NEW IN PARKING REGULATION IN PRAGUE?

ENFORCEMENT

- city owned centralised IT system (CIS – Central Information System) that collects all sorts of data required for operation of the regulation
- camera monitoring vehicles - third party vehicles monitoring streets with camera cars
- upgraded enforcement and penalisation process

USER-FRIENDLINESS

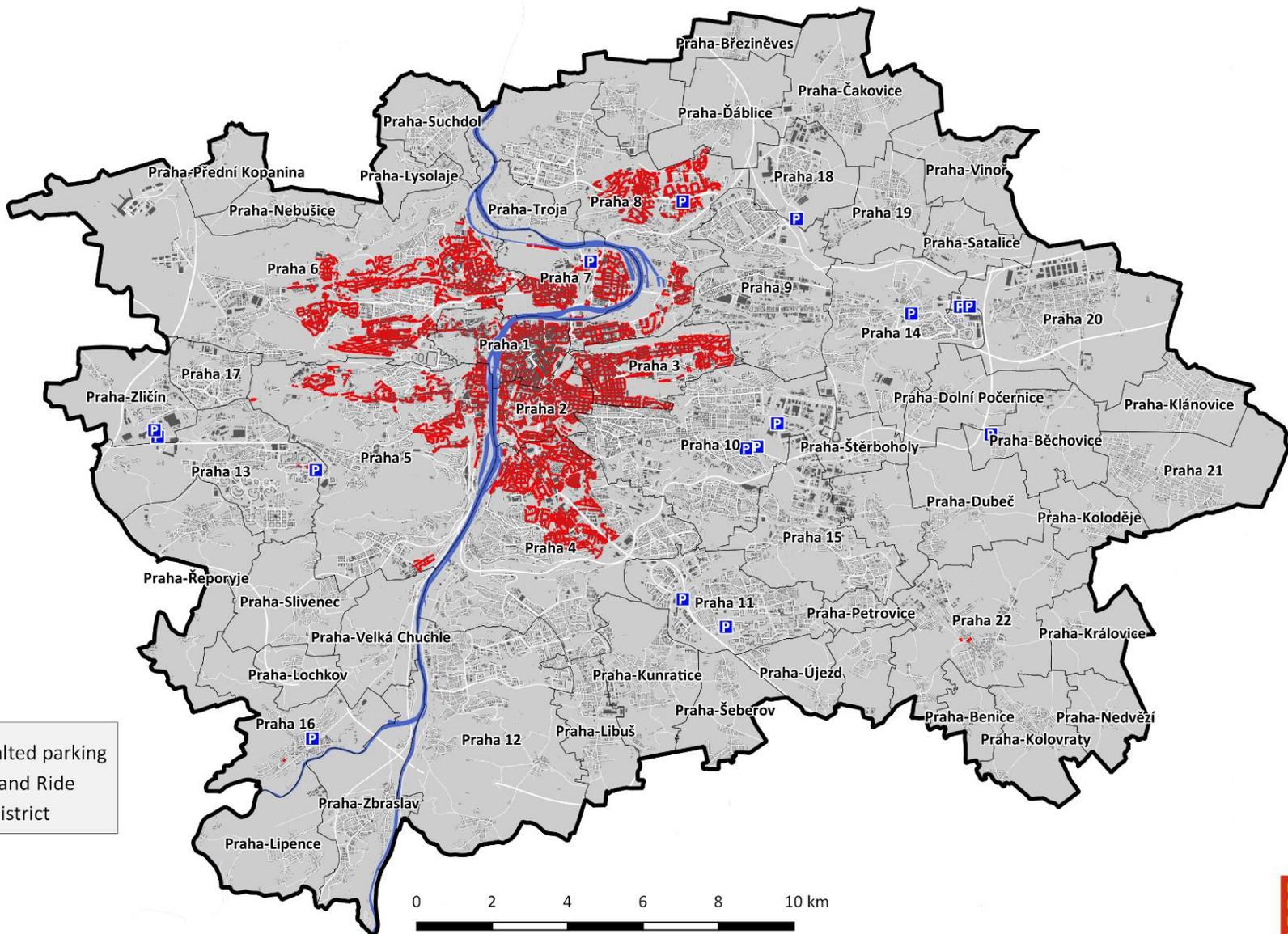
- online parking permit renewal (*new permits are still issued at the distribution points due to legal requirements*)
- new payment application
- end of paper parking cards and parking meter tickets
- new parking meters

NEW TYPES OF PARKING PERMITS

- disabled users
- family caretakers
- carsharing
- possibility to temporary changes the vehicle's plate number in the parking permit (e.g. due to maintenance)



REGULATED ON-STREET PARKING IN PRAGUE, JANUARY 2019



The New concept of digitalized on-street parking took place in city districts where it has been established for the first time in 2016 (Prague 5, Prague 6 and Prague 8).

City districts Prague 1, Prague 2, Prague 3 and Prague 7 had a parking regulation before. They moved to the New concept when the previous operators contracts expired (September 2017 and January 2018).

Parking regulation now covers over 100.000 parking places (January 2019).



City of Prague | 2019 Prague | Data source: The Prague Institute of Planning and Development, State Administration of Land Surveying and Cadastre, Technical Road Administration Company

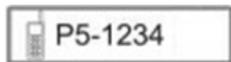


ROAD SIGNS

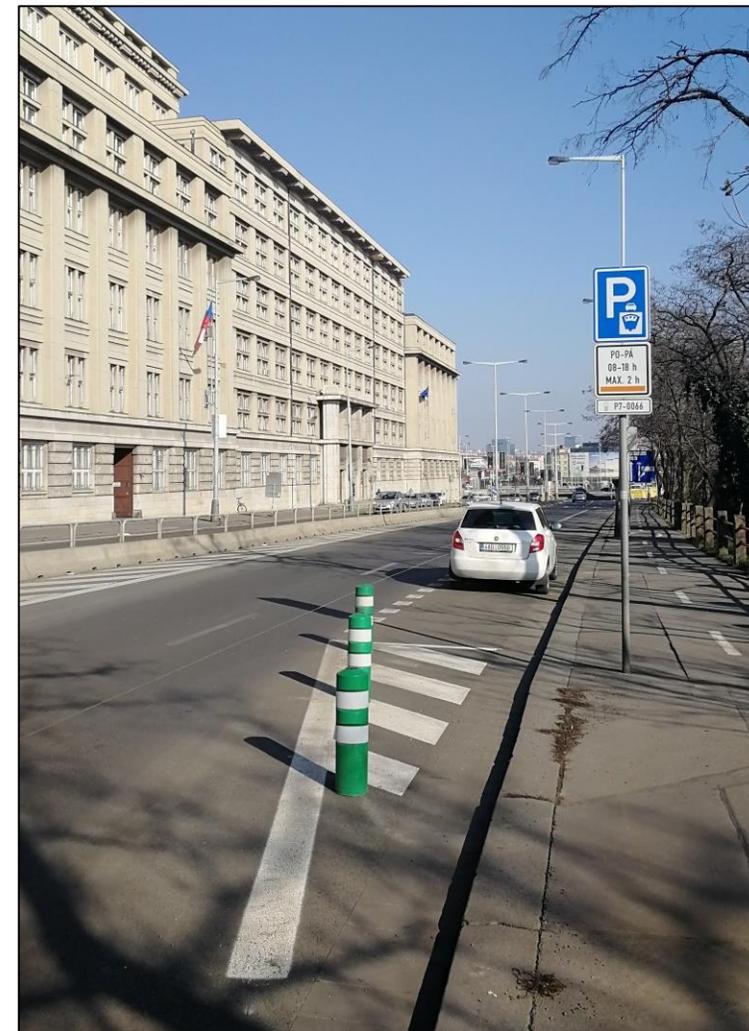
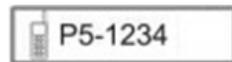
resident parking



visitors parking



mixed parking
(residents + visitors)



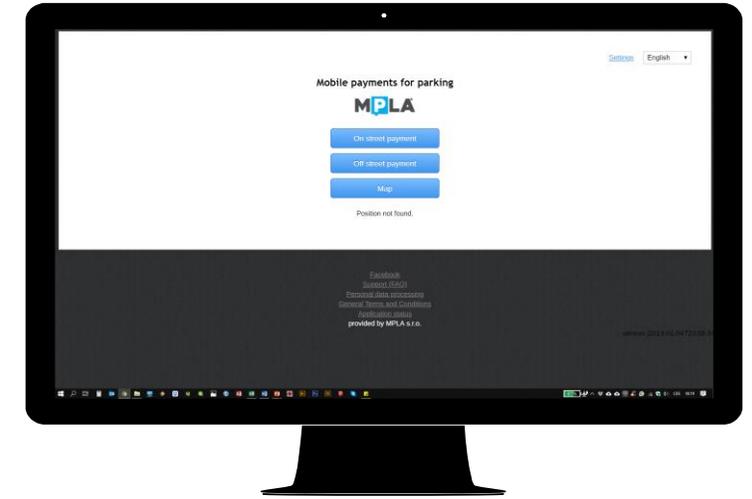
NEW PAYMENT FACILITIES



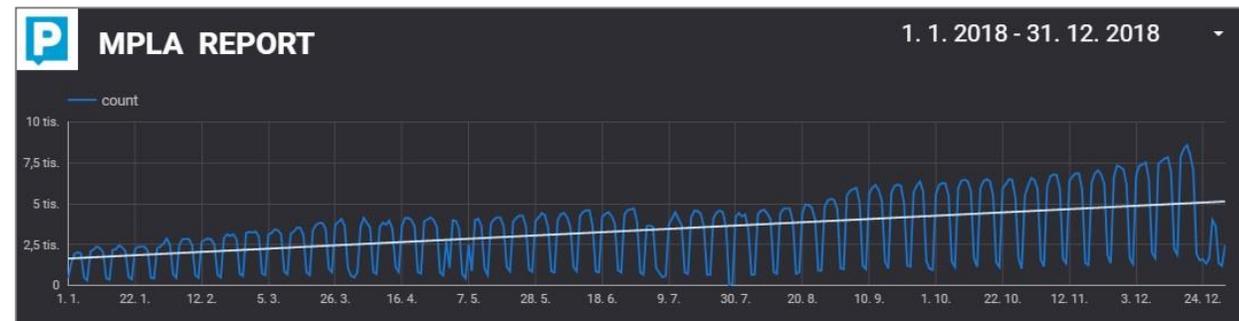
Parking meters Parkeon Strada

Mobile payment app

- Third party web application.
- Payments with debit/credit cards, and CCS cards.
- Works in many other cities in Czech Republic.



The web application runs on all mobile phones, tablets and PSs, on Windows, Android and iOS. No need to install an app.



Mobile payment is getting more and more popular among users.

THREE STEP ENFORCEMENT AND PENALISATION

Data collection

Monitoring vehicles run the city streets scanning the vehicles' registration plate numbers and on-line check them in the Central Information System (CIS).



Offence confirmation

The CIS collects the "no-respect" cases to later provide them to the municipal police office for further confirmation (in compliance with Czech legislation).



Executive act / penalty

After the confirmation by the municipal police office the offences are passed down to the local administration authority office (city districts) who then issue the penalisation to the vehicle operator (in compliance with Czech legislation). The financial means collected from fines are profit of the city district.



Cameras of the roof of the monitoring car
 ↘ InfraRed for scanning the number plates
 → Visible spectrum camera for overview



A view from the monitoring camera car

NEW SPECIFIC PARKING PERMITS

Some parking permits are possible to distribute or use only thanks to the digitalisation.

Parking permit for **disabled persons & their caretakers**



A long term parking permit similar to a resident's permit for persons with disabilities. Unlike the resident's permit, this one is only valid only on a small number of streets close to home or job address. No need for permanent residence required by law.

A parking permit can be issued to those who frequently care about persons with limited mobility or others health issues. It is a powerfull tool for family members.

Digital platform provides a possibility to issue the parking permit to a custom-made limited areas to prevent its misuse.

Parking permit for **carsharing**



This parking permit allows carsharing vehicles to park for free and for unlimited time in regulated parking areas just and only when the vehicle is out of reservation (isn't used by a user). When the vehicle is being used and parks, the user has to pay a regular parking fee.

The parking enforcement is given the information about reservations of each car via a direct connection between carsharing companies and the city owned system.

The City of Prague in a cooperation with the Czech Carsharing Association developed a [tool to view and reserve the shared vehicles that are currently not used](#).

OPEN DATA PLATFORM

The digital platform of parking regulation lets the city to distribute periodically updated open data online to everyone who is interested. The open data can serve for analytical purposes or to be used by individuals and companies for developing their own applications.



The city of Prague provides a dataset with historical data on **on-street paid visitors parking** and **map data** with locations and other valuable attributes on **Park&Ride parking lots**, **on-street parking regulation street segments** (useful for new map/payment applications), **parking meters**, **parking places for the disabled users** etc.

The city also provides a free **API connectivity** on data related to parking. New third party applications can then show **current occupancy of disabled-only parking places**, **occupancy on Park&Ride** parking lots and **new data on visitors short term parking**.



[OPEN MAP DATA](#)

[OPEN STAT / API DATA](#)