

# Prague Sustainable Mobility Strategy

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*Václav Novotný*

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# The Office of Transport Infrastructure

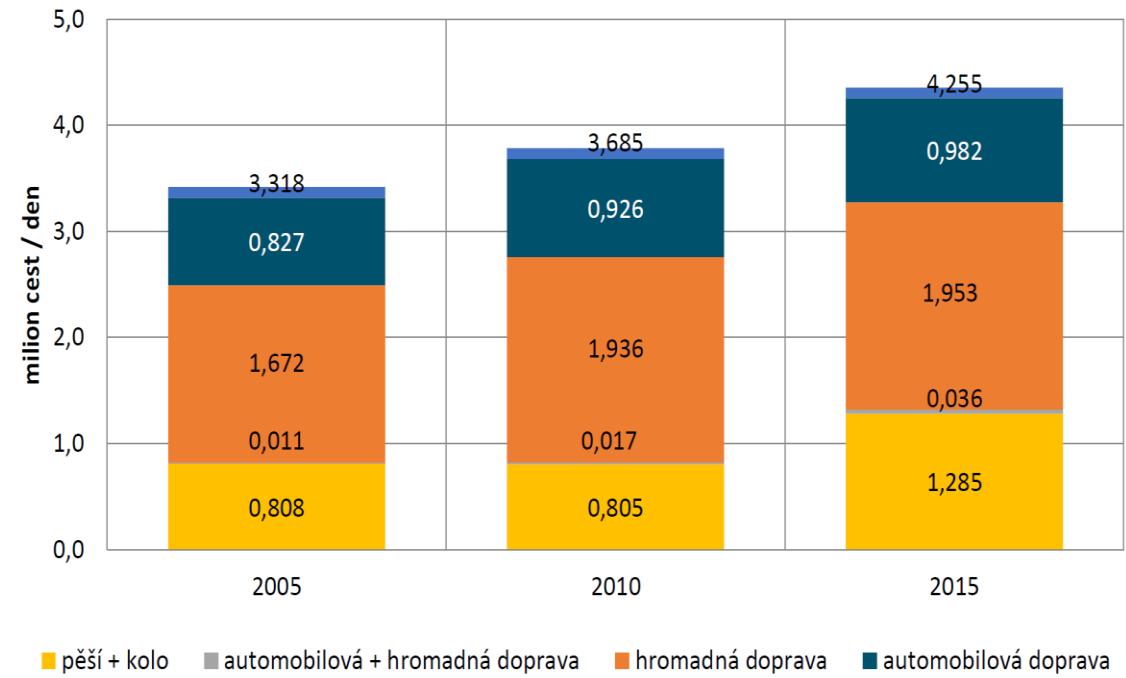
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- Expert body for transportation infrastructure planning in Prague
  - Cooperation with Prague City Hall, city organizations and companies
1. Creation of and consultation on strategic documents
  2. Consultation activities
  3. Transport modelling

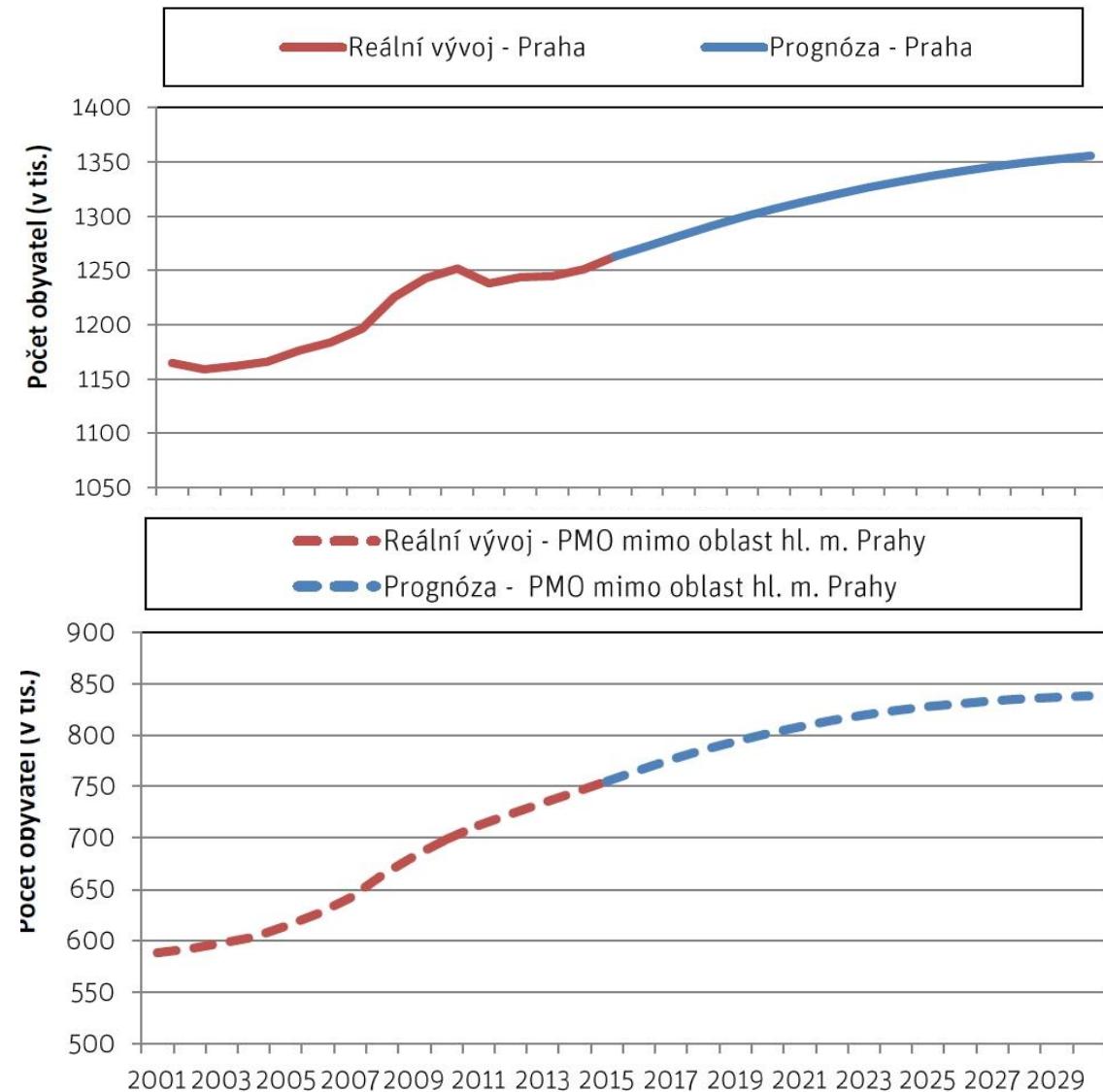
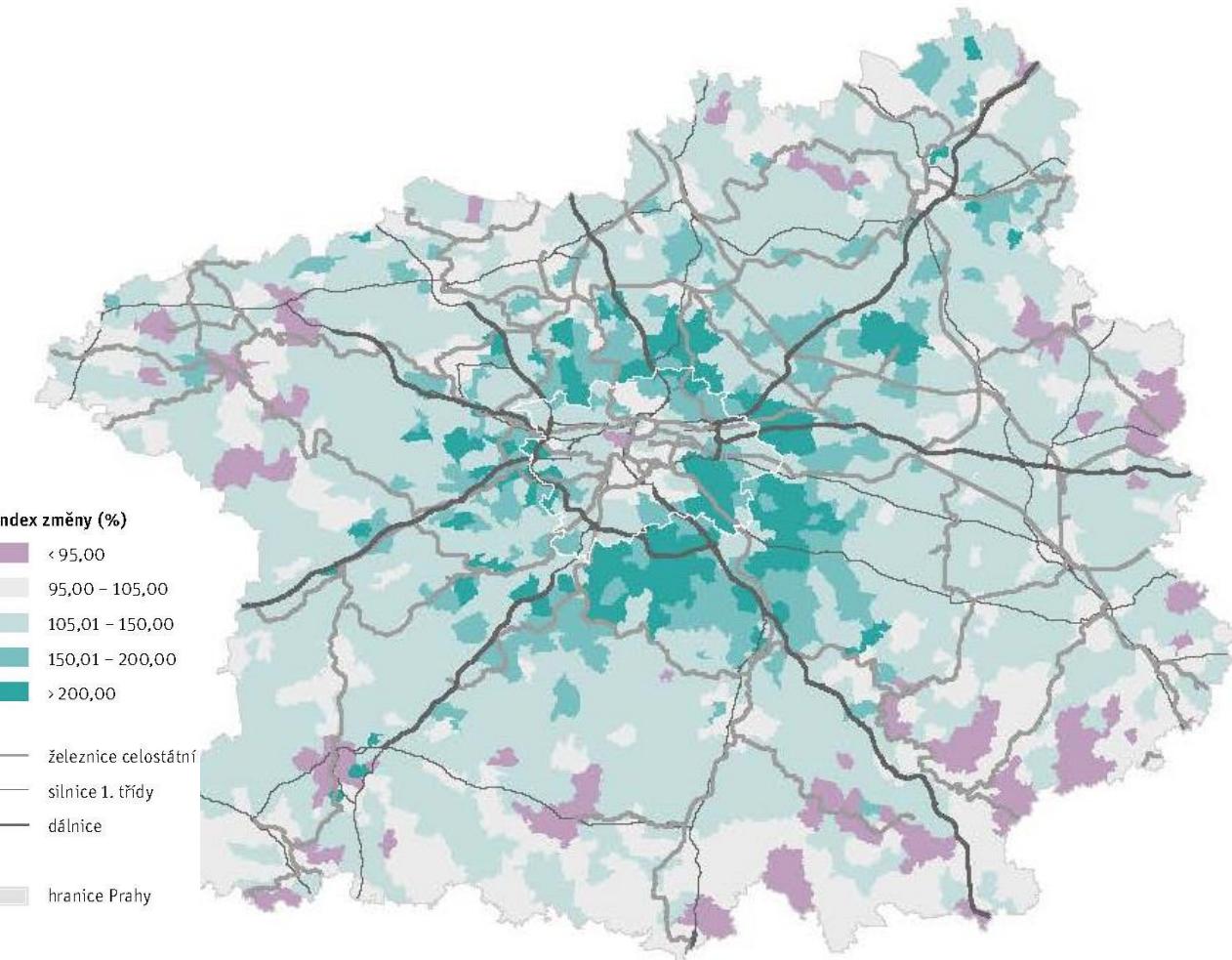


# Prague mobility planning bases

- Suburbanization
- Growing PMA population
- Growing population mobility
- Growing traffic performance
- Growing car ownership
- Changes in modal split
- Growing transport of goods within the city
- Changes in society (economic + lifestyle + trends + technology)
- Complicating and slowing down all planning and implementation processes

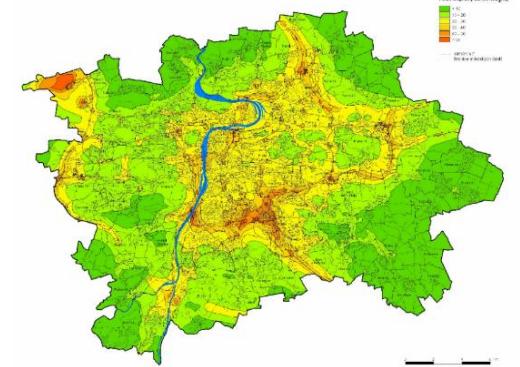
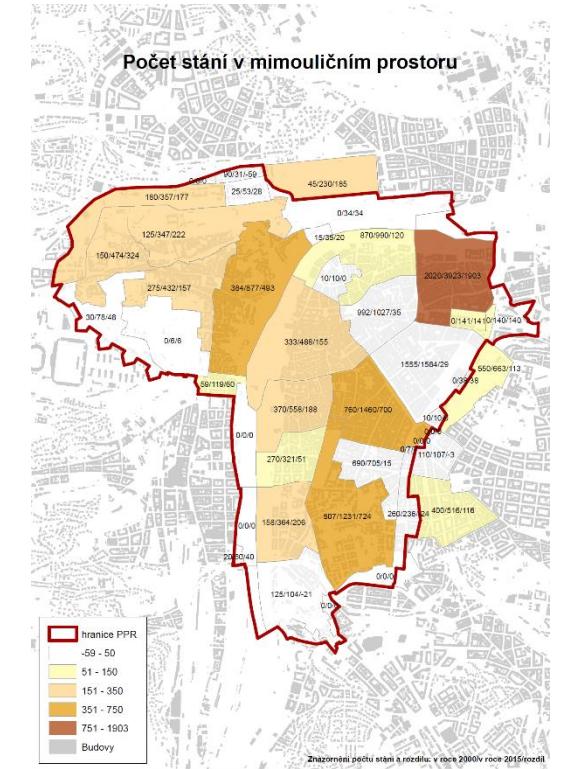


# Suburbanization and demographic prognosis

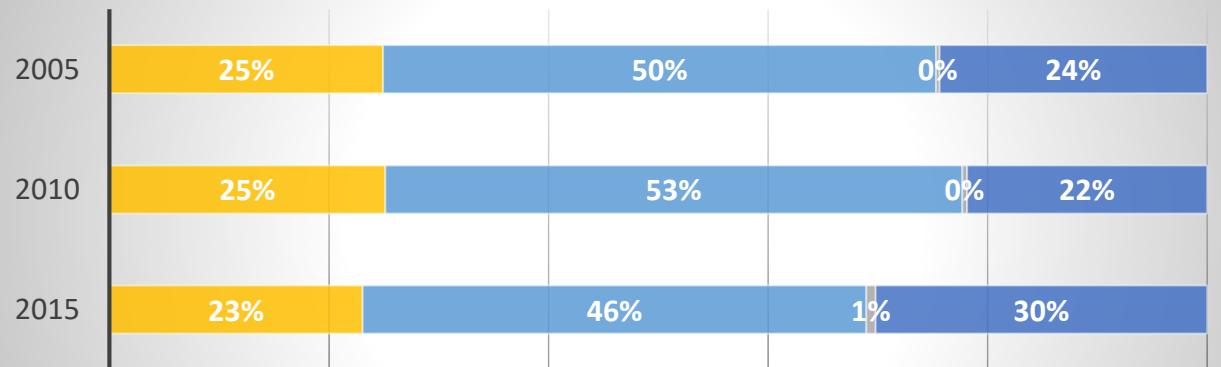


# Prague mobility development consequences

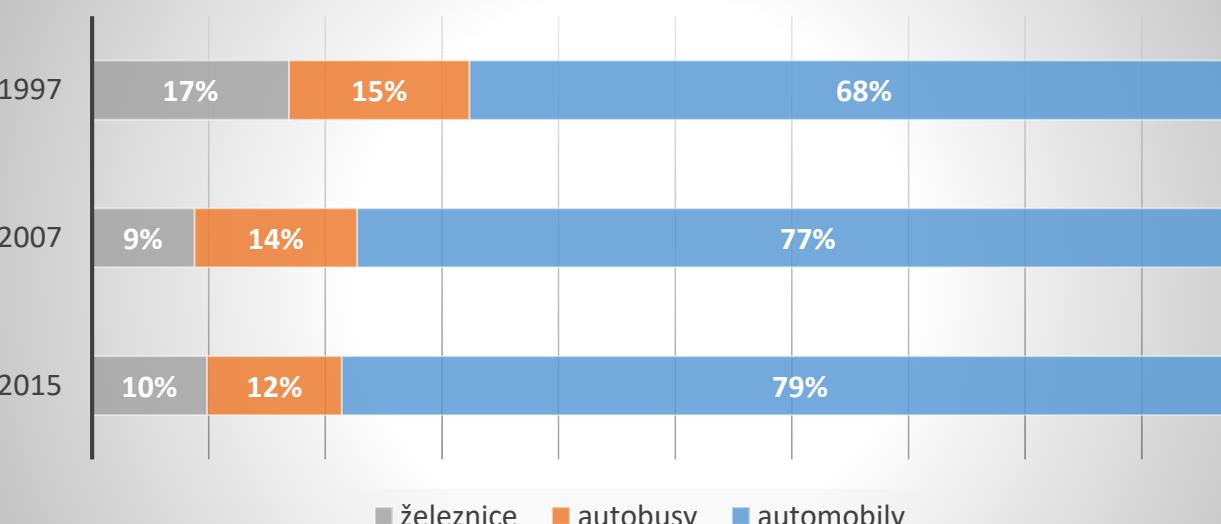
- Increasing AT levels and performances
  - Growing number of passengers in PT
  - Problem areas on infrastructure
  - Existing infrastructure technical condition
  - Rising operational costs
  - Growing number of areas for static transport (need?)
  - Unreformed urban transport administration
  - Negative effects of transport on the environment and health



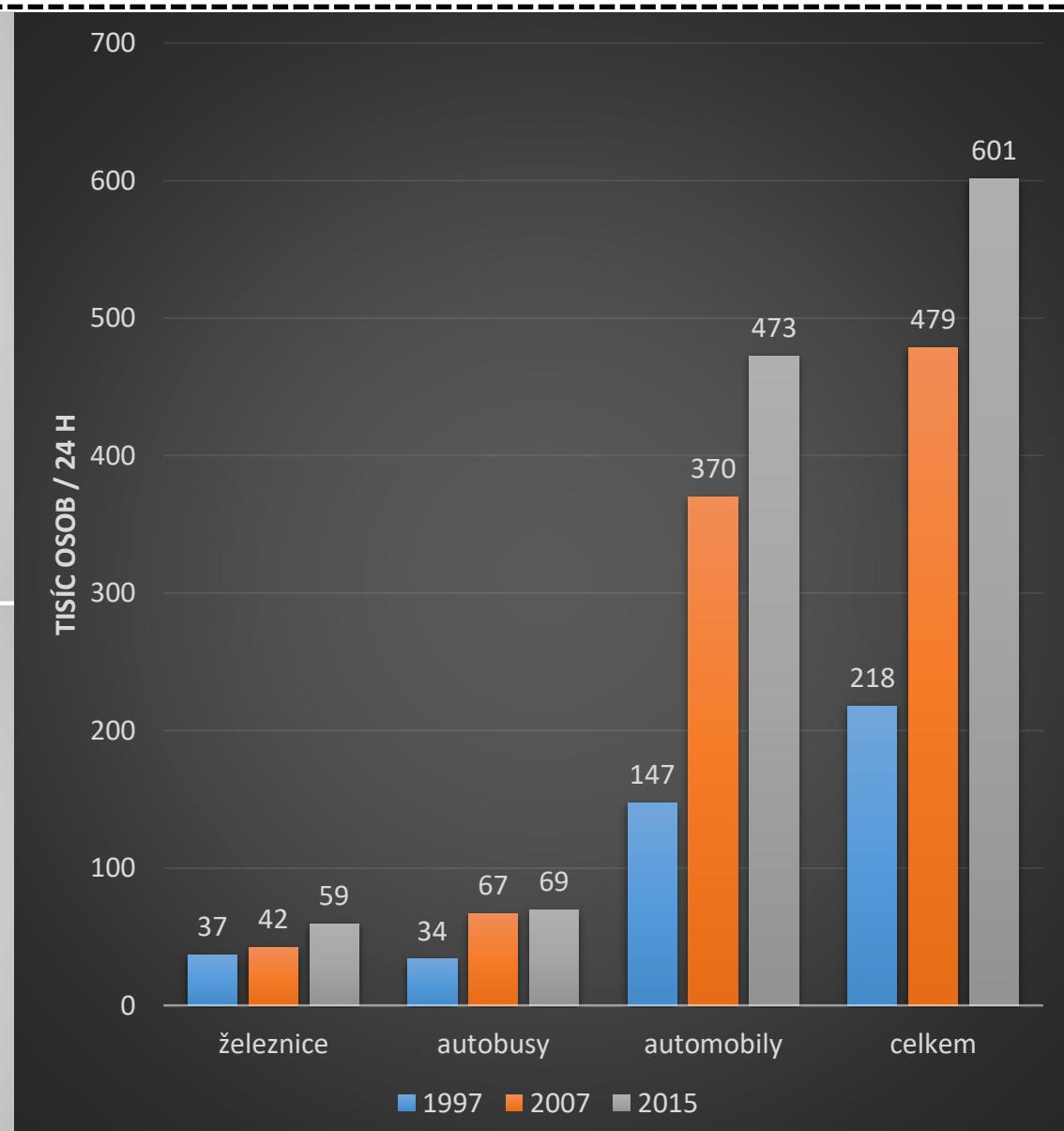
# Development of modal split in PMA



■ AD ■ HD ■ AD + HD ■ PKJ



■ železnice ■ autobusy ■ automobily



# Solution ?

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Land use plan - current

Land use plan - new

Spatial  
development  
principles

Strategic plan

Prague suburban  
railway strategy

Sustainable  
mobility plan  
for Prague and  
its suburbs

Tramway development  
strategy

...

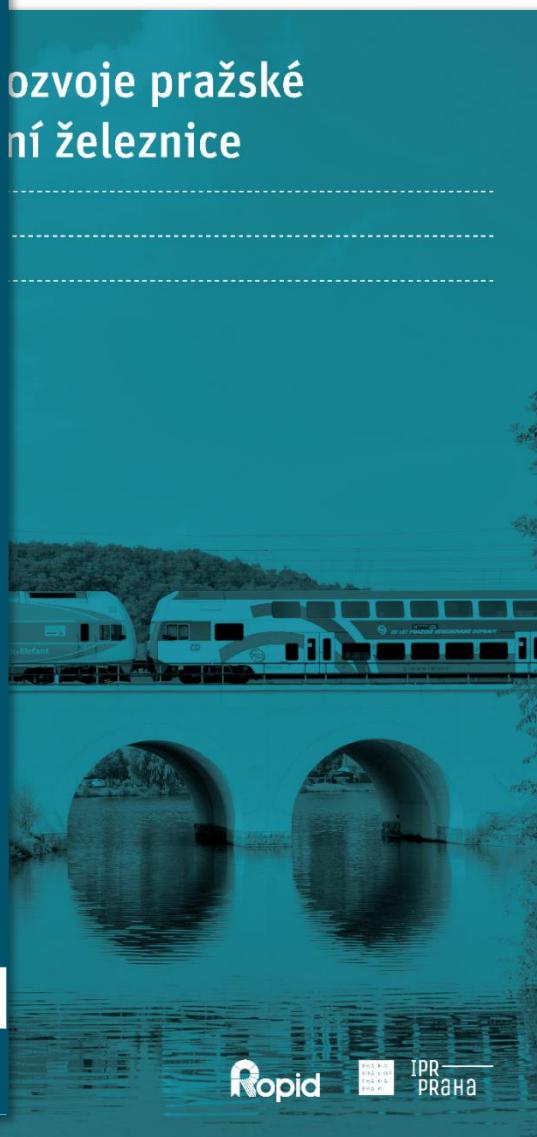
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Polad'  
Prahu

Plán udržitelné mobility  
Prahy a okolí

Návrh



# STRATEGIE ROZVOJE TRAMVAJOVÝCH TRATÍ V PRAZE DO ROKU 2030



IMPLEMENTAČNÍ DOKUMENT KONCEPCE

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MOTT MACDONALD VOJTEČH NOVOTNÝ  
mobility consultancy & advisory

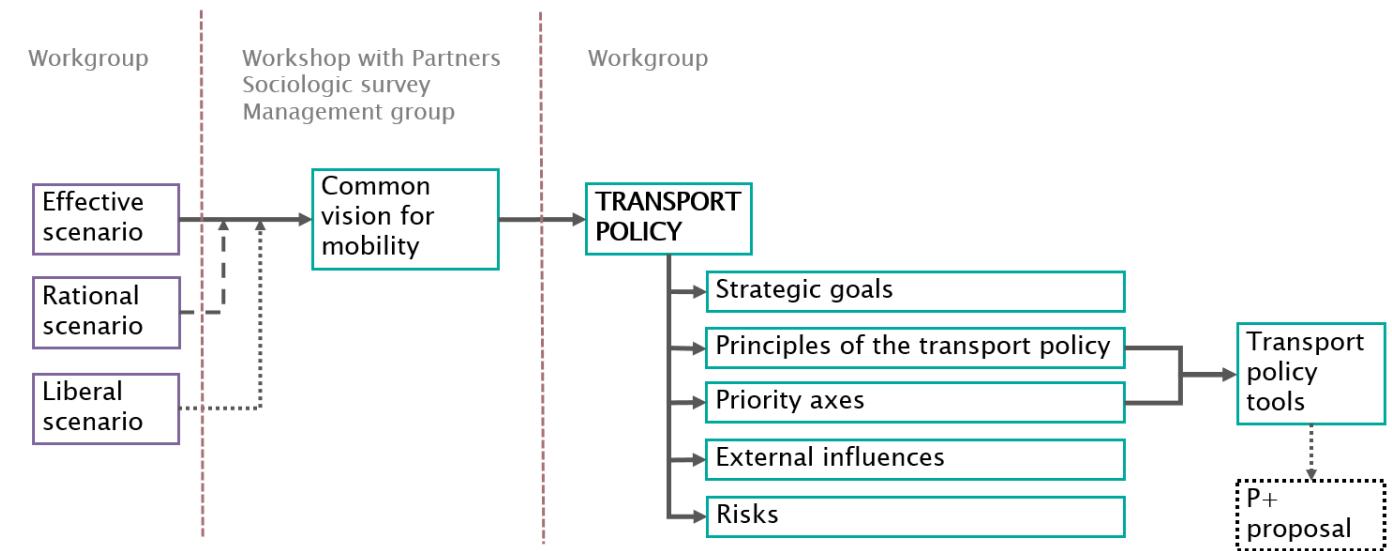
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## KEY DOCUMENTS

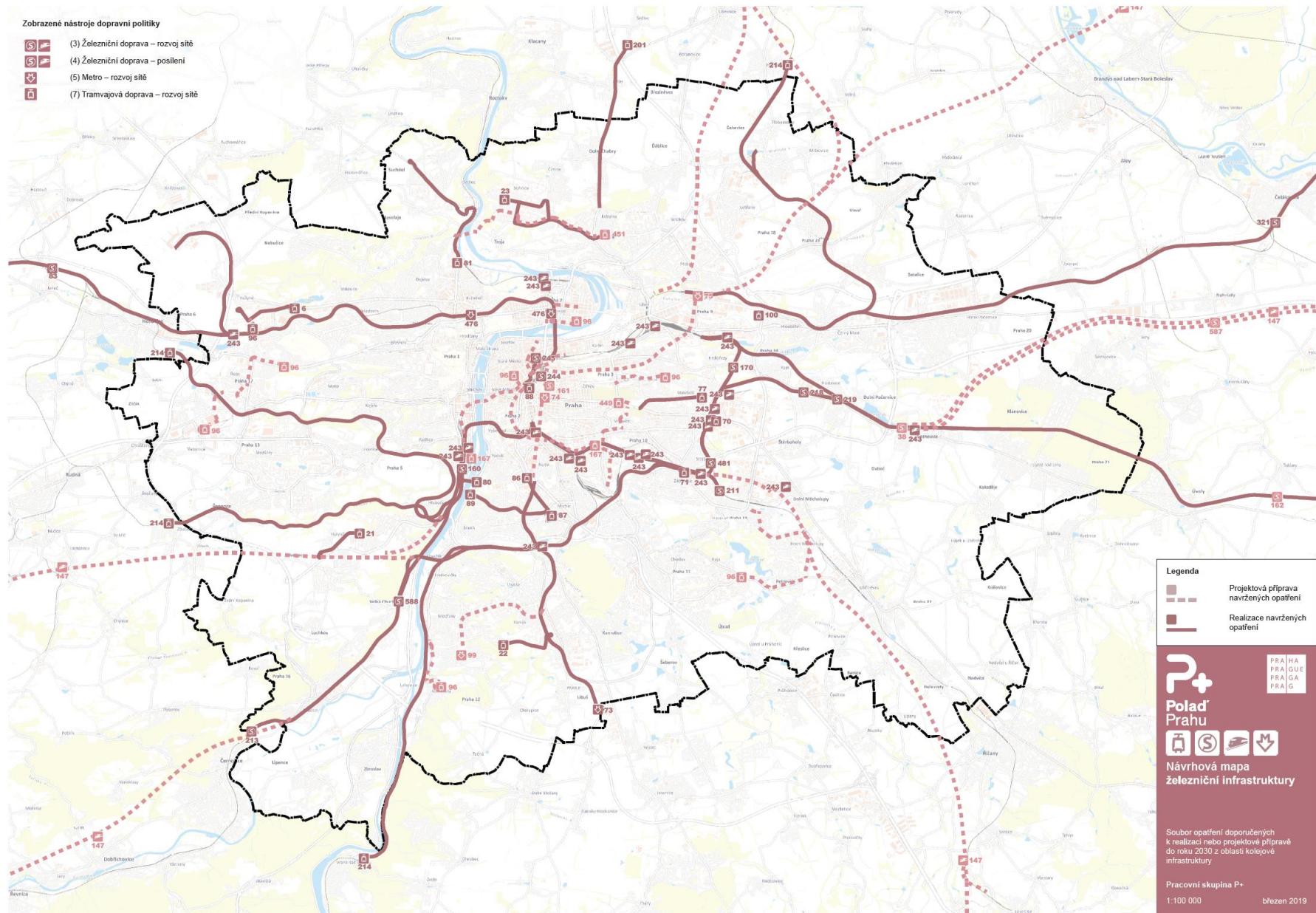
[Sustainable Urban Mobility Plan, Metropolitan Railway Development or Tramway Strategy, Strategy of Activ Mobility ]

# Sustainable mobility plan for Prague and its suburbs – Transport policy

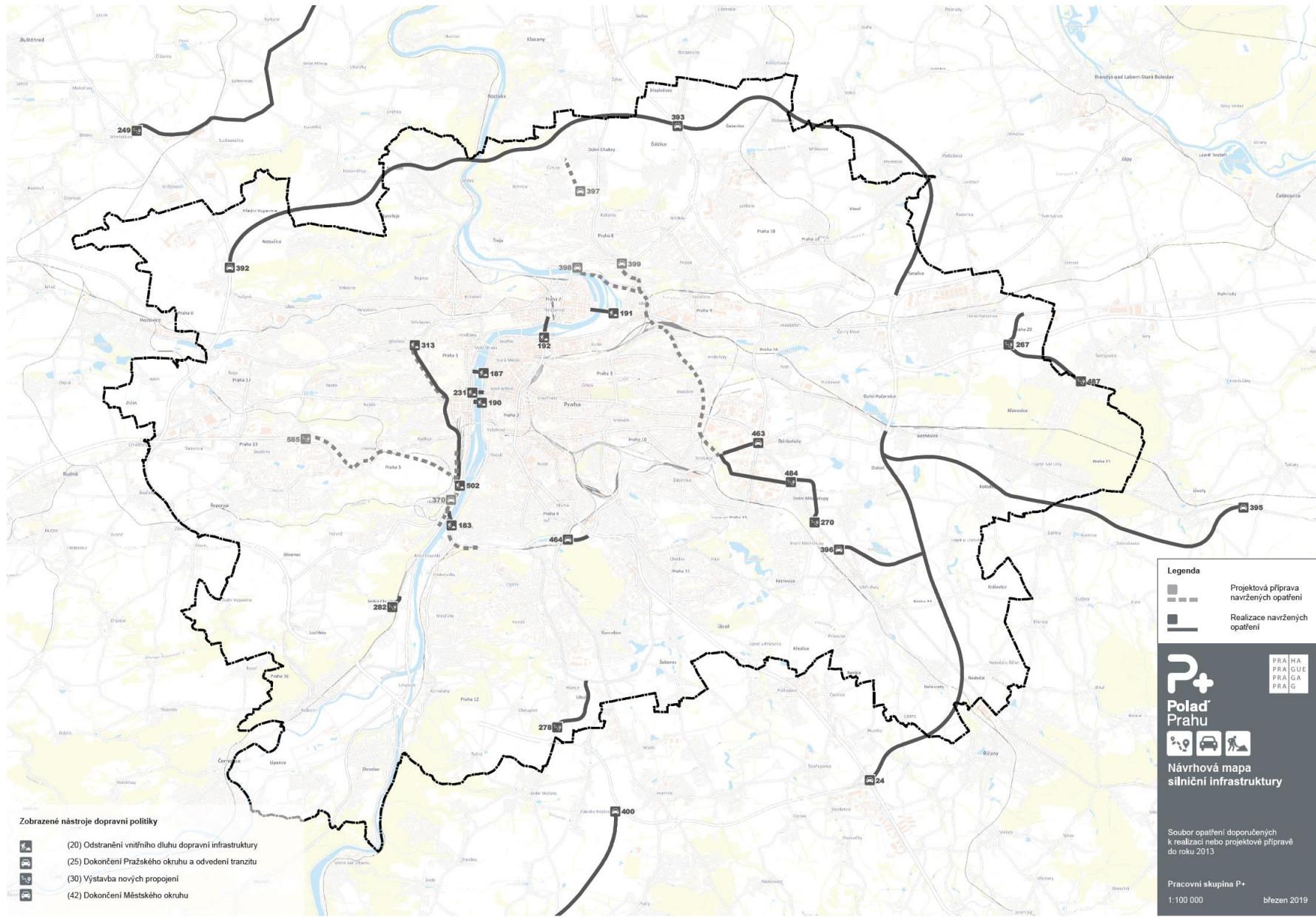
- The backbone of the entire PMA: rail electric transport
- Intermodal passenger nodes (P+R, B+R, Cycle Paths, Bus network)
- Reconstruction of existing, especially road, infrastructure
- Prague freeway outer city ring
- Less consequences (environmental and health) from transportation
- Sustainable city logistics
- Public space (livable short-distance)
- Modern technology in transportation
  - Telematics
  - Connectivity
  - Mobility as a service
  - Data collection and mining



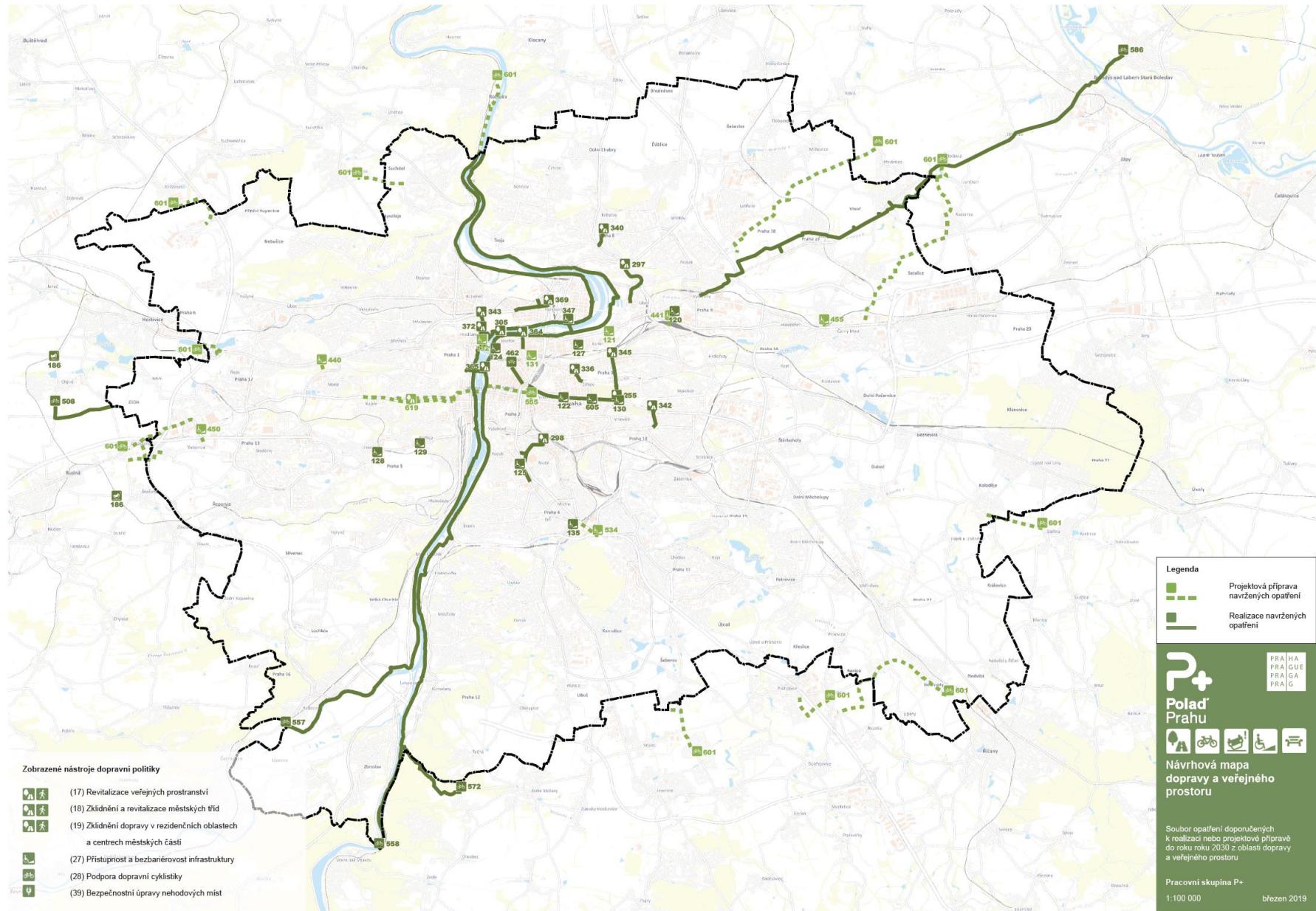
# Proposal map - rail



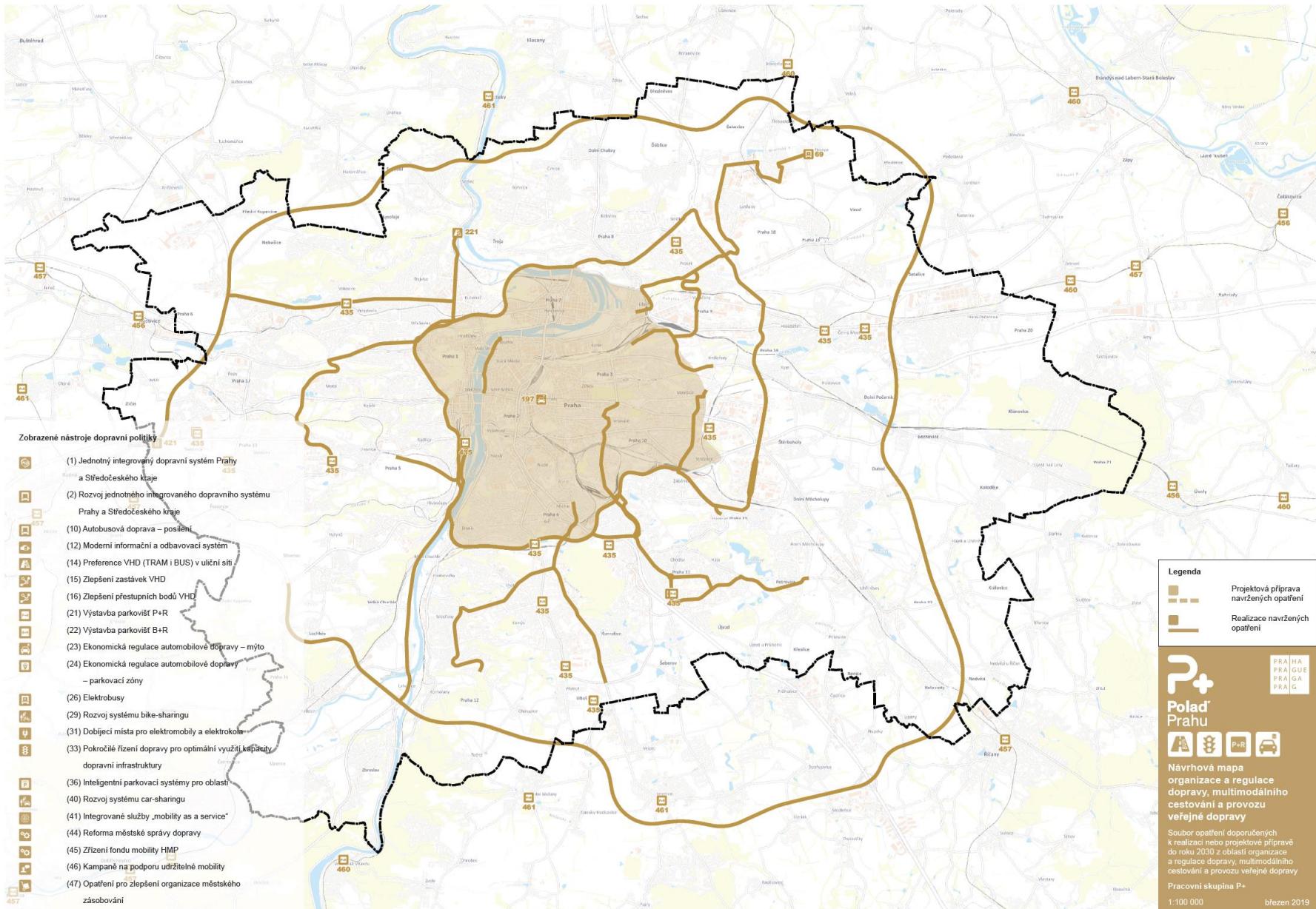
# Proposal map - road



# Proposal map – public space interventions

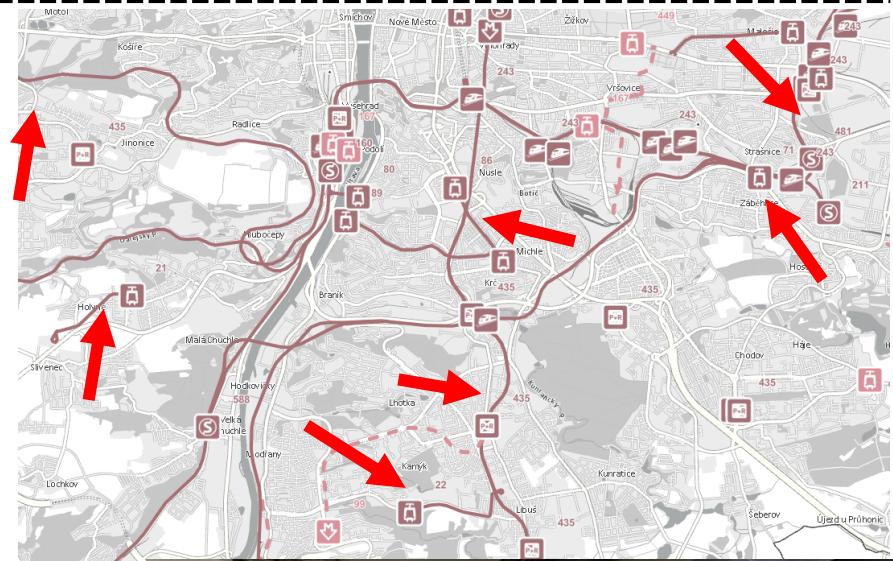


# **Proposal map – Traffic organization and regulation**

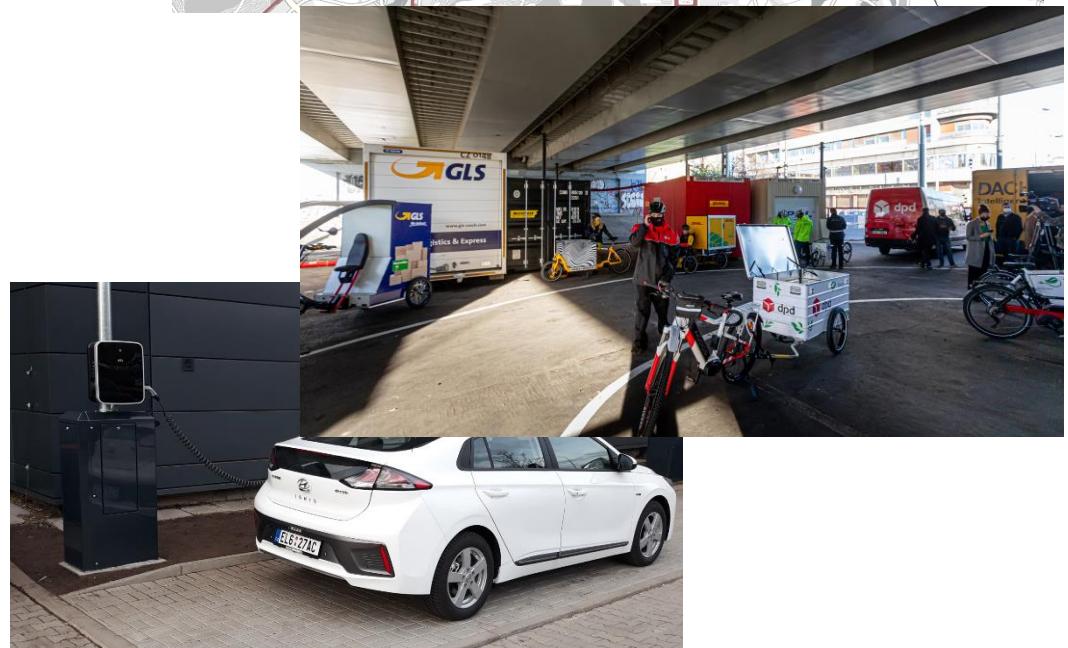


# Current significant projects

- Metro D
- New tram lines
- Trolleybuses with batteries and e-buses
- New PT trip and ticket app with tram and bus positions



- 2 new city logistic depo for cargobikes
- New lanes for cyclists and new paths
- Street and bridges reconstruction
- Inner city ring geological prospecting
- Street lamp chargers (3000 lamps)
- Park and Ride Černý Most (880 cars)

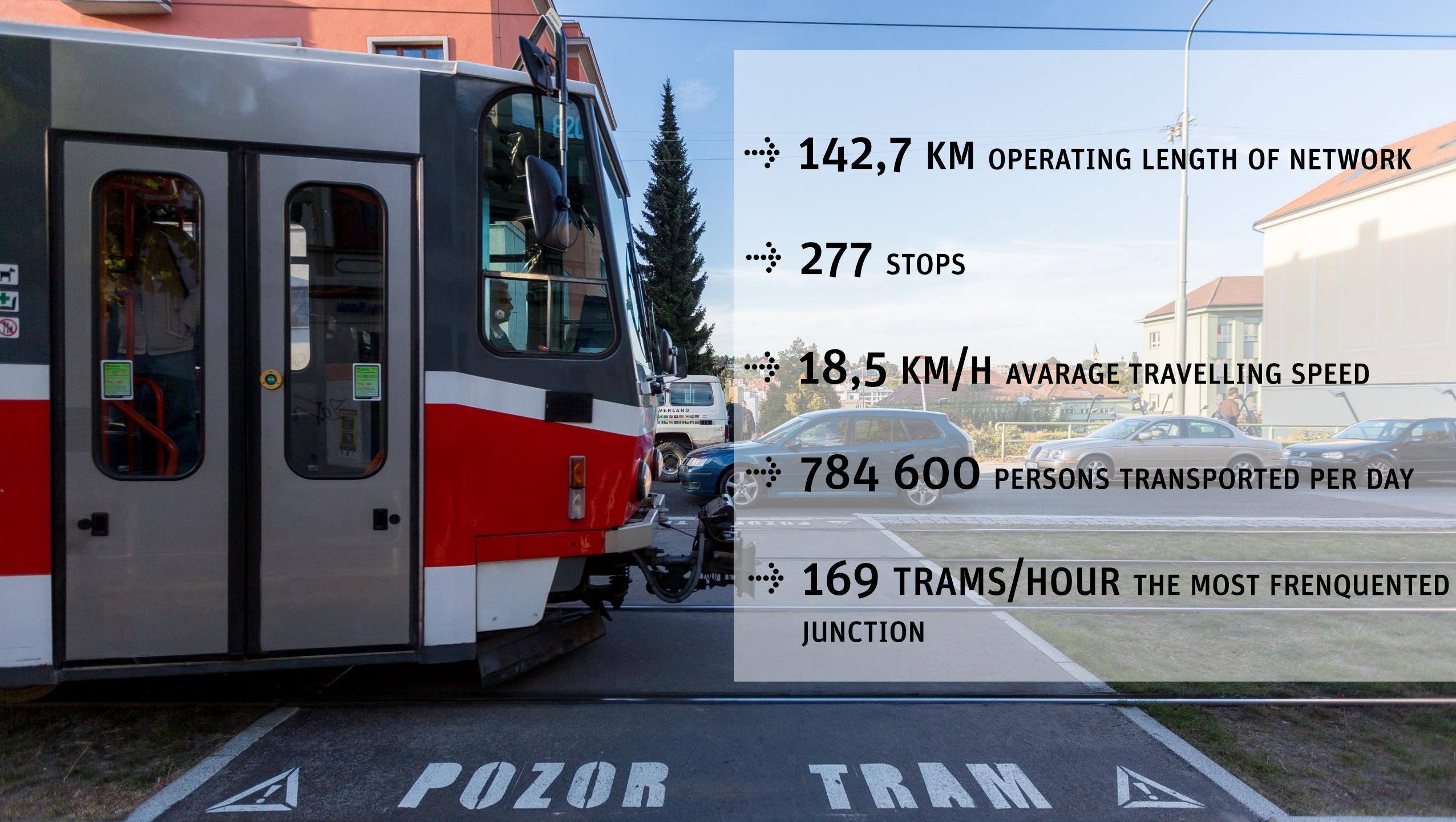








**TRAM**  
typical part of PT in Prague



⇒ **142,7 KM OPERATING LENGTH OF NETWORK**

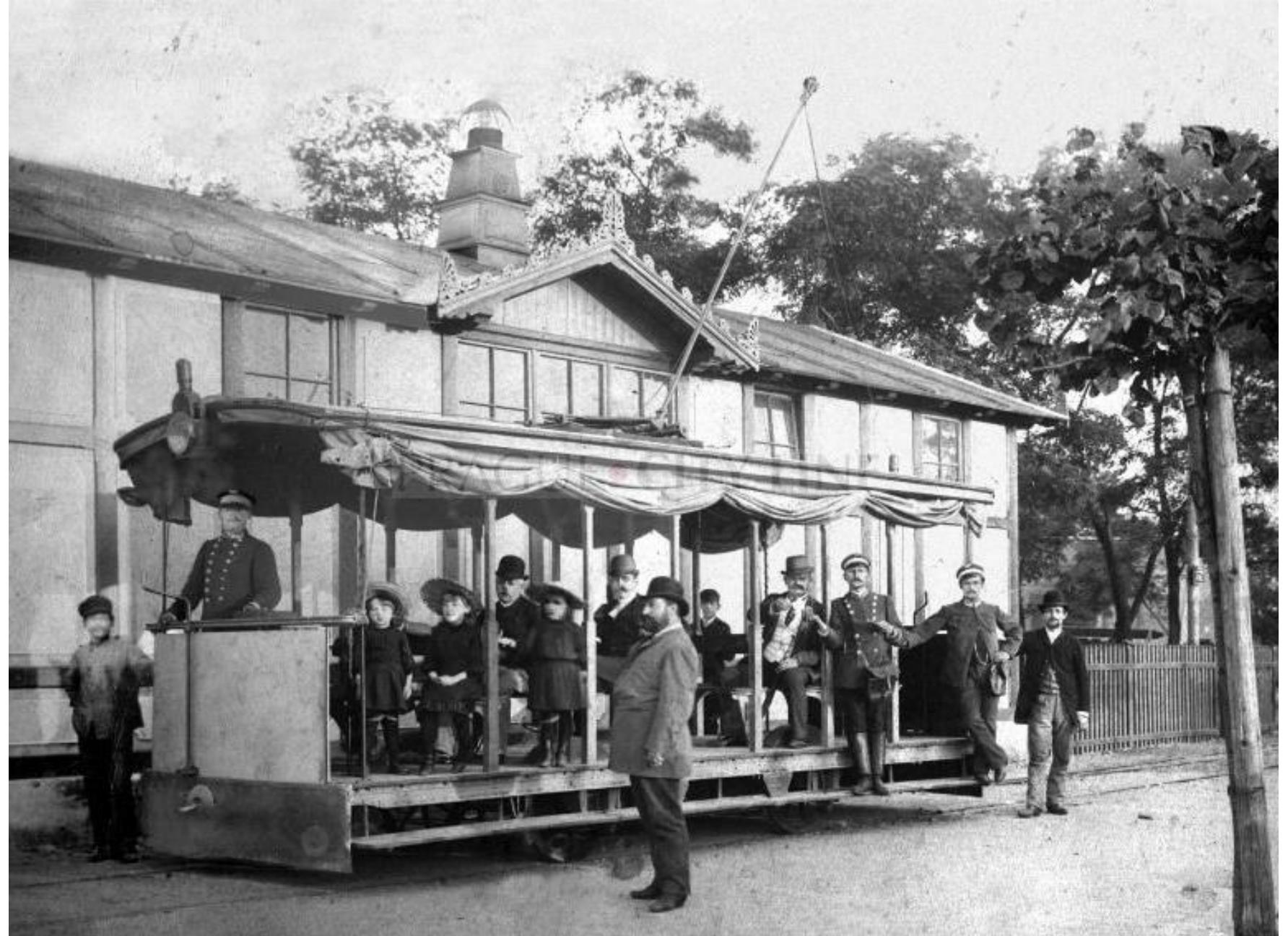
⇒ **277 STOPS**

⇒ **18,5 KM/H AVERAGE TRAVELLING SPEED**

⇒ **784 600 PERSONS TRANSPORTED PER DAY**

⇒ **169 TRAMS/HOUR THE MOST FREQUENTED  
JUNCTION**

[ source: archiv DPP ]



**FIRST TRAM**  
[ 1891 ]

[source: milujuprahu.cz]



**TRAM**  
[ 20<sup>th</sup> century ]

LP

622

[source: archiv DPP]

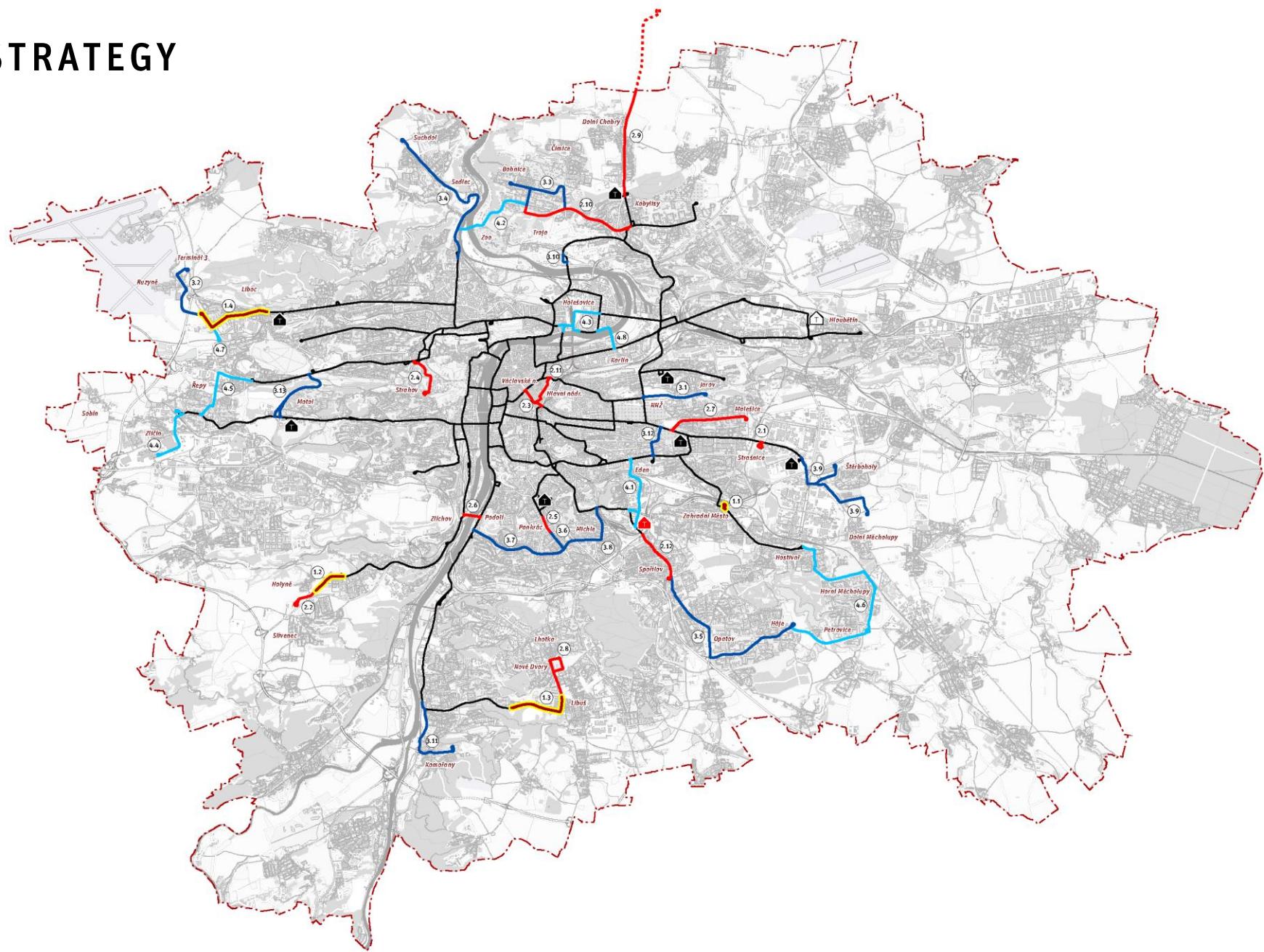


**TRAM**

[ 20<sup>th</sup> century ]

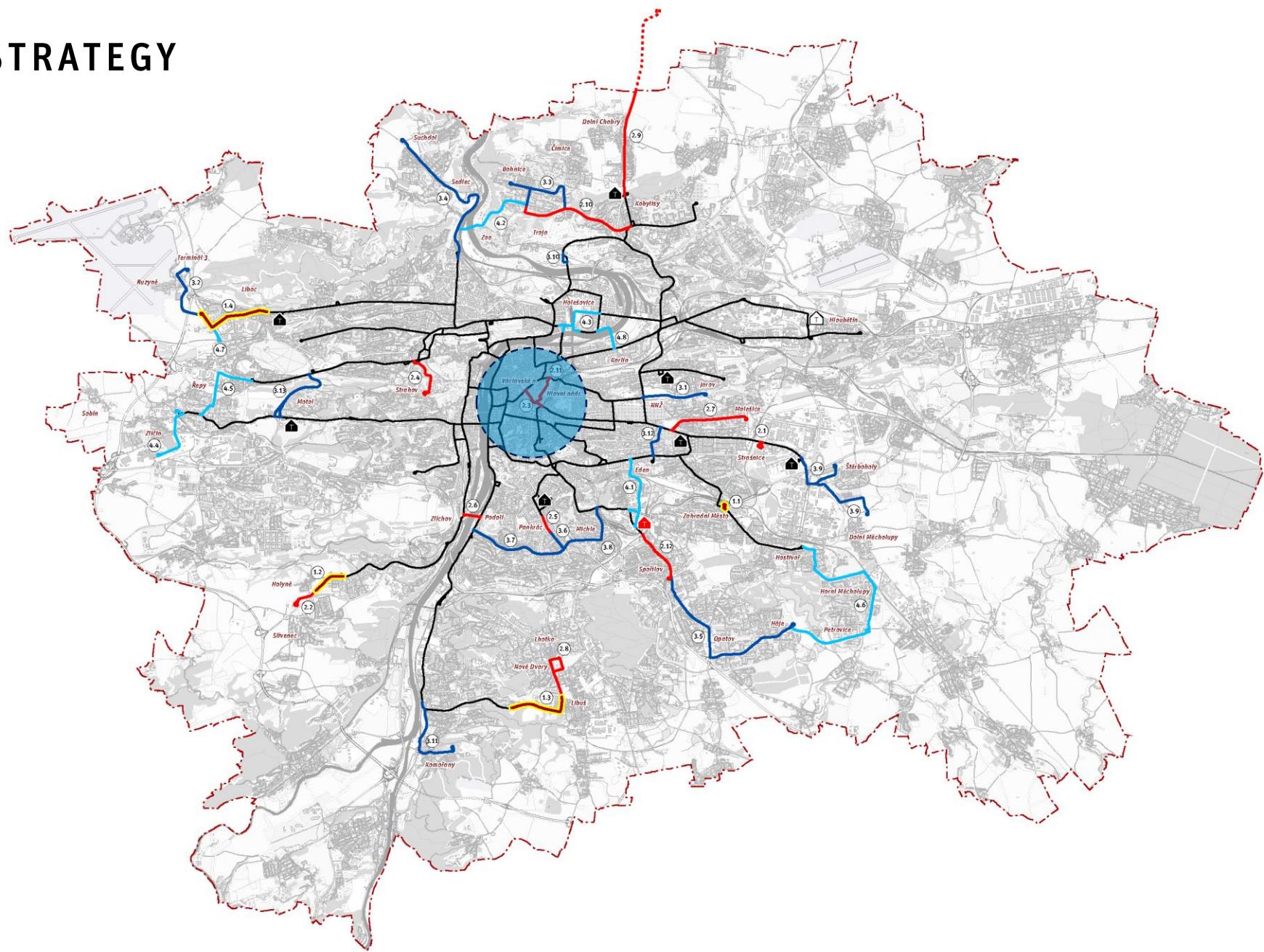
# TRAMWAY DEVELOPMENT STRATEGY

[ 2030 ]



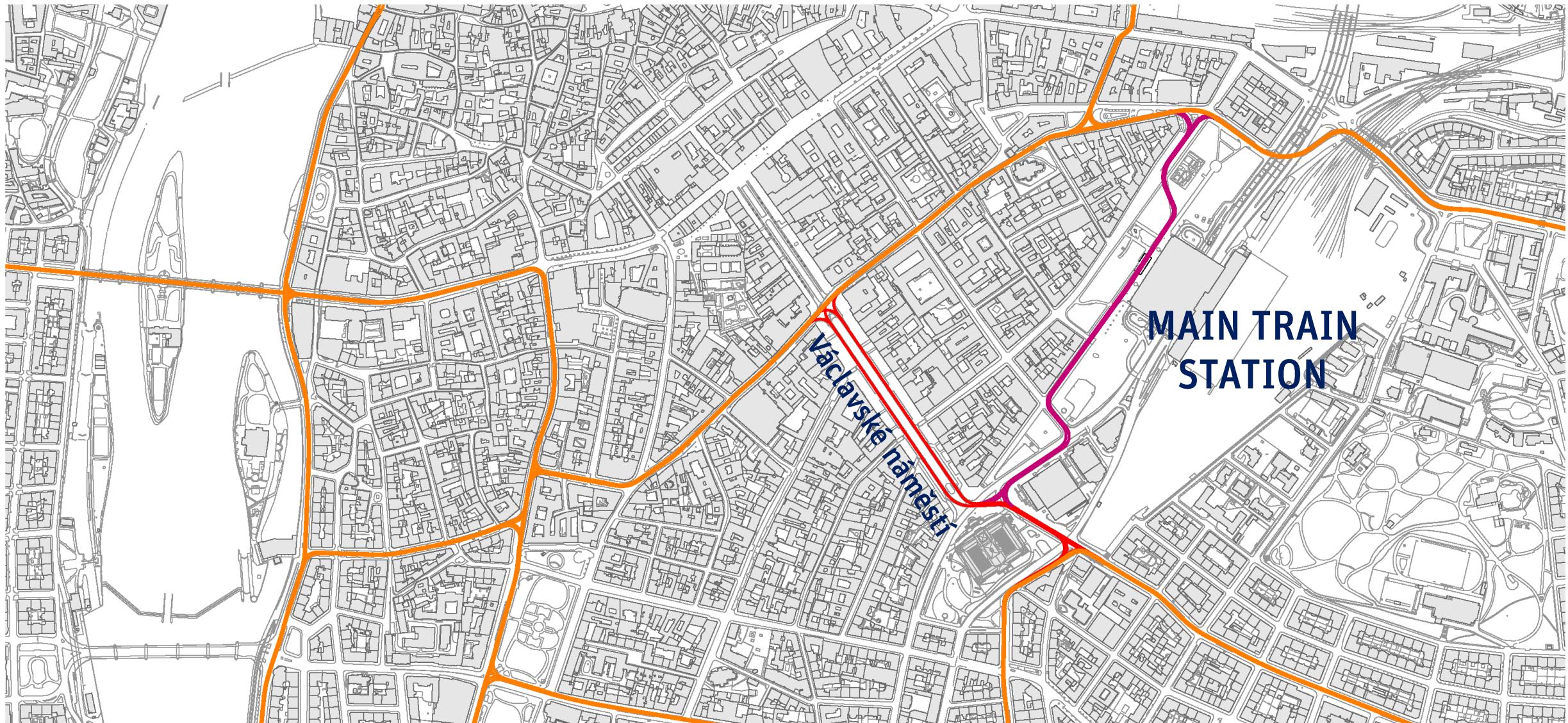
# TRAMWAY DEVELOPMENT STRATEGY

[ 2030 ]



# Tramway Development Strategy – City centre

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# VÁCLAVSKÉ NÁMĚSTÍ

visualisation



# National Museum area

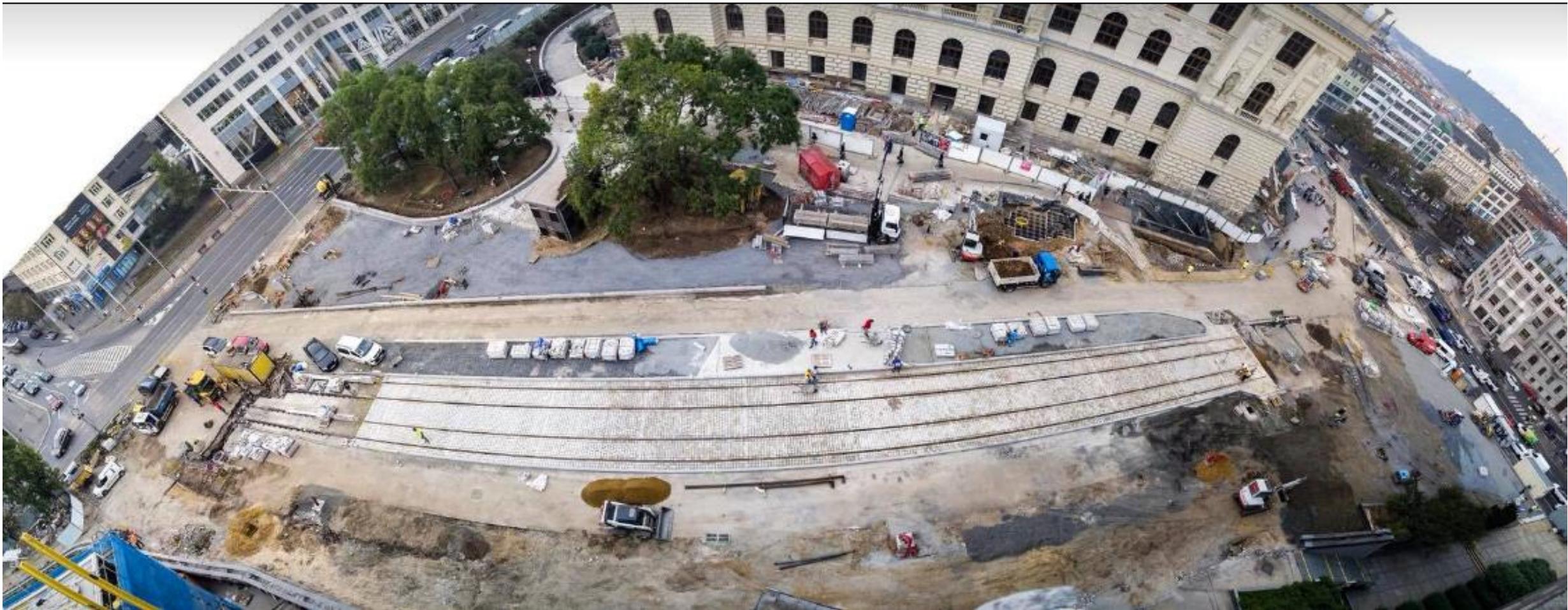


# National Museum area



# National Museum area

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# Prague Sustainable Mobility Strategy

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IPR  
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**...Thank you!**