
TIMIȘOARA
Smart and sustainable urban mobility policies

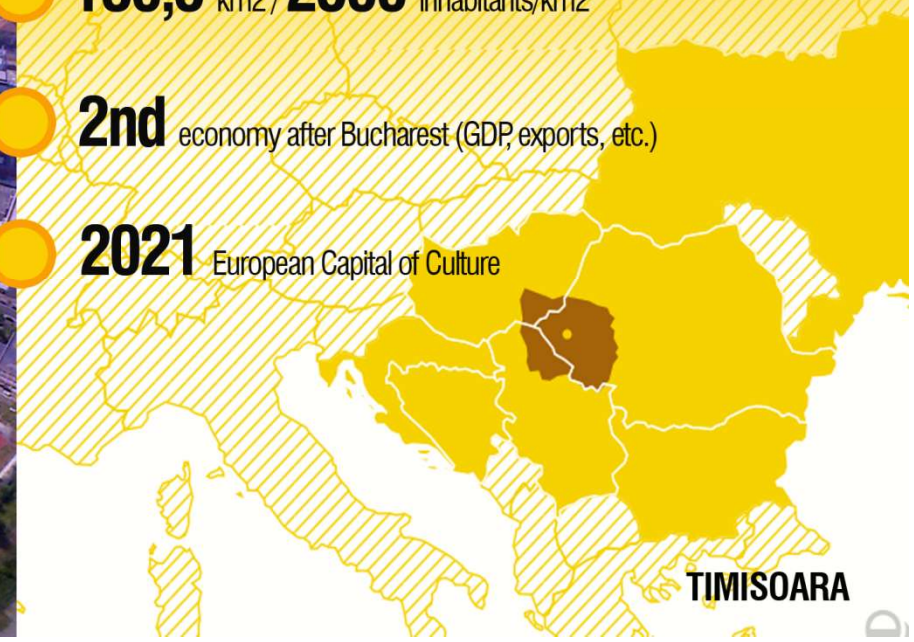
Location: Western Romania, very close to the Hungarian and Serbian border

340.000 inhabitants / **500.000** including suburbs

130,5 km2 / **2500** inhabitants/km2

2nd economy after Bucharest (GDP, exports, etc.)

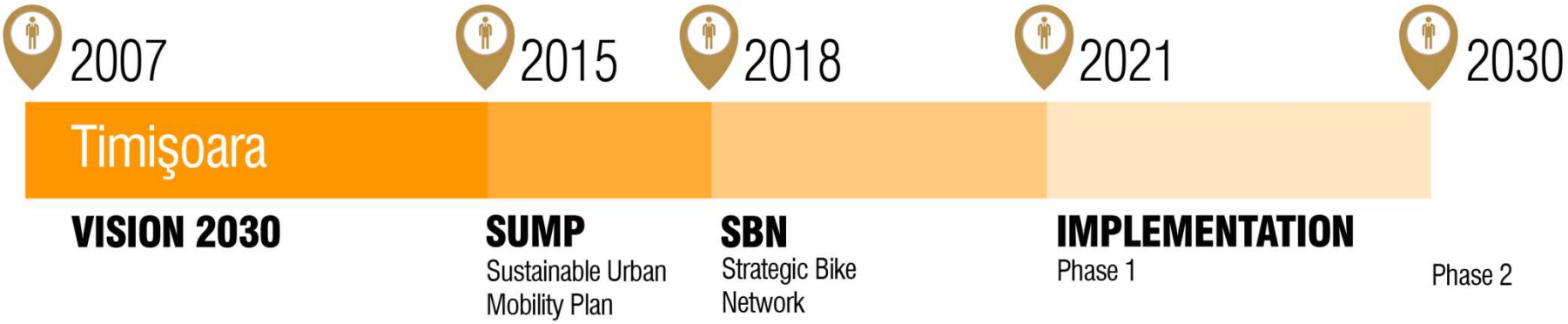
2021 European Capital of Culture



170.000 cars
entering Timisoara
every day

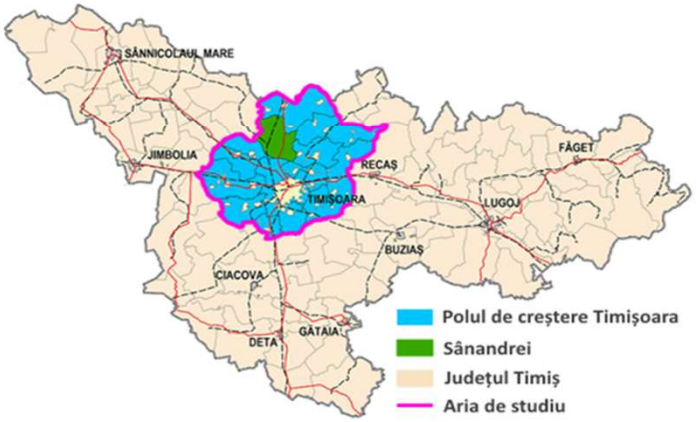
over 65 cars for 100 people

25% increase of car register
between 2010-2014


2007
2015
2018
2021
2030
Timişoara
VISION 2030
SUMP
Sustainable Urban Mobility Plan
SBN
Strategic Bike Network
IMPLEMENTATION
Phase 1
Phase 2

Timisoara SUMP:

1. **Accesibility** - transport options for citizens , adequate transport modes , connectivity as well as general access guarantees that people are not deprived of travel opportunities regardless of deficiencies or social factors
2. **Safety and Security**
3. **Environment** - reducing noise and air polution, green house emissions, energy consumption
4. **Economical efficiency** - raising the efficiency from the cost of transport point of view.
5. **The quality of the urban space** - raising the attractiveness and quality of the urban environment as well as urban design




DESCARCARE AUTOSTRADAA1/
drum express conectat la E671
DESCARCARE EXISTENTA AUTO-
STRADA A1
IMPADURIRE NV PT PROTECTIE
NOD ACCES DRUM EXPRES A1 /
CENTURA CF /E671
NOD AUTOSTRADA A1 / AUTO-
STRADA BELGRAD / ACCES TM
PADUREA VERDE
INTERMOD. PERS.
GARA TREN VITEZA
ZONA AGREMENT BAZOS
IMPADURIRE AGREMENT
GREEN FINGERS
INTERMOD. REGIONAL
GREEN FINGERS
DESCARCARE AUTOSTRAD.
GRAD / 592
ZONE NAT. AGREMENT
DESCARCARE AUTOSTRADA BEL-
GRAD / E70


Sustainable Urban Mobility Plan
General Urban Development Plan
Integrated Urban Development Strategy
Sustainable Energy Action Plan
Sectorial Strategies


Main obstacles urban mobility
natural: Bega River
built: railway

Transforming obstacles into opportunities

Study case - Bega River

crosses Timisoara from East to West - 9km

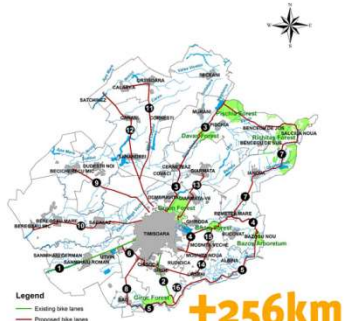
BEGA Boulevard - a green corridor of mobility

- **18 km** bike lanes
- **5** bike sharing stations
- **5** intermodal transfer points
- **7** water buses (55 places)
- **9** water bus stations

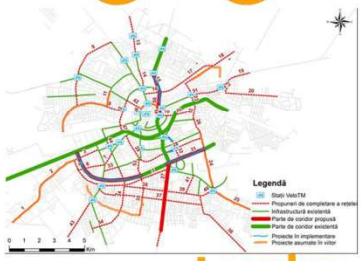
increase urban and regional mobility

increase general traffic fluency

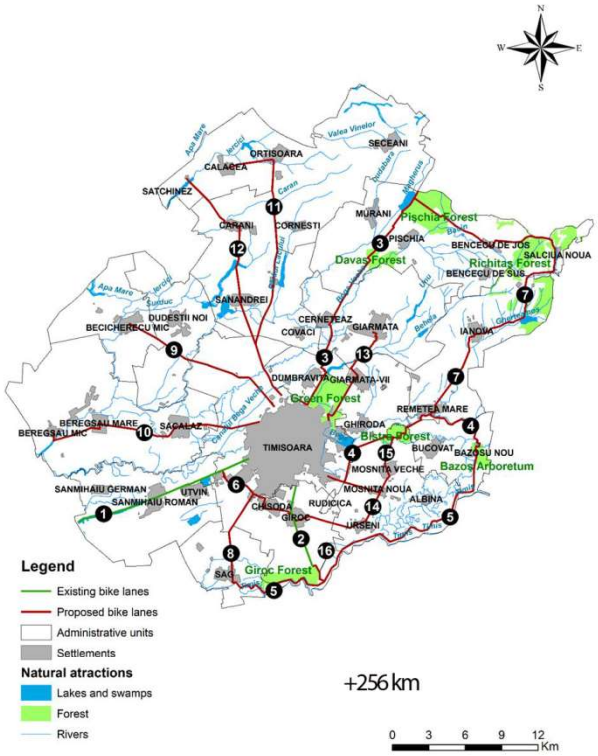
DE-CARBONISATION
of Public Transport



+256km

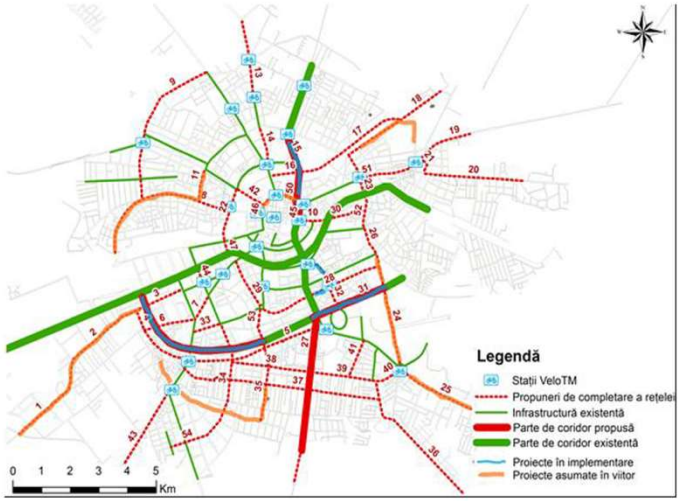


+100km



+256 km

REGIONAL NETWORK OF BIKE LANES



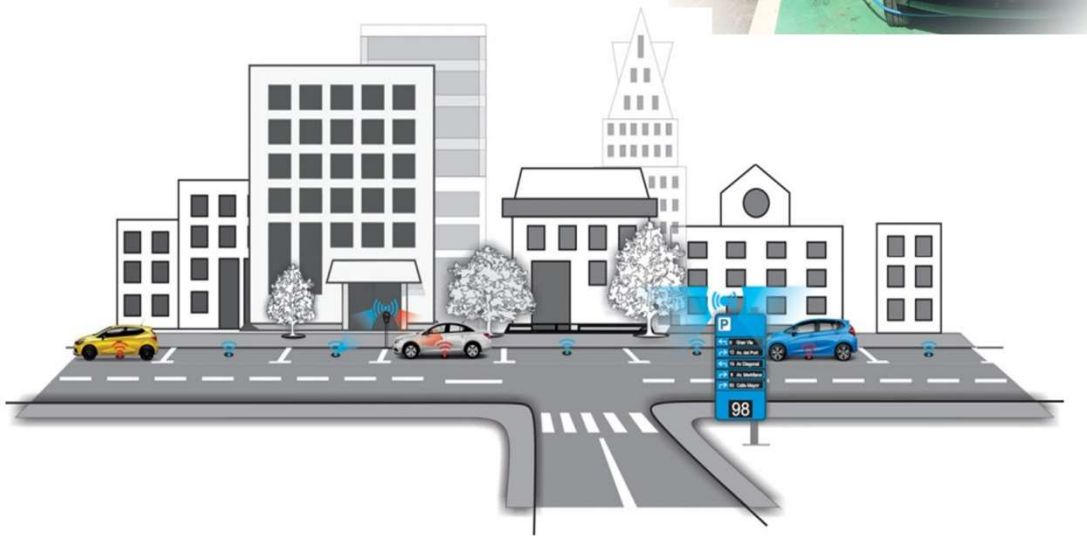
STRATEGIC CYCLE NETWORK

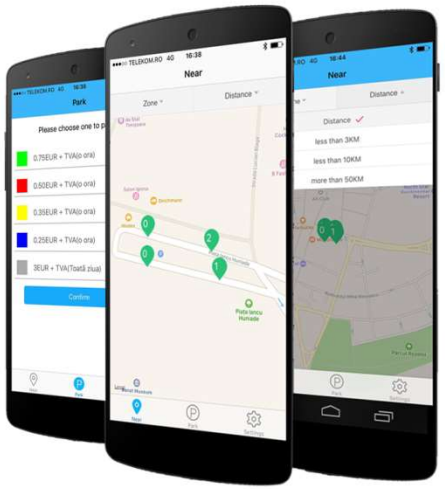
SMART PARKING - TIMISOARA

The intelligent parking system consists of asphalt sensors for vehicle detection. They communicate wirelessly with concentrators on the pole, powered by solar energy. Concentrators communicate in with the server that informs through the application the available space and the shortest route to an available location.

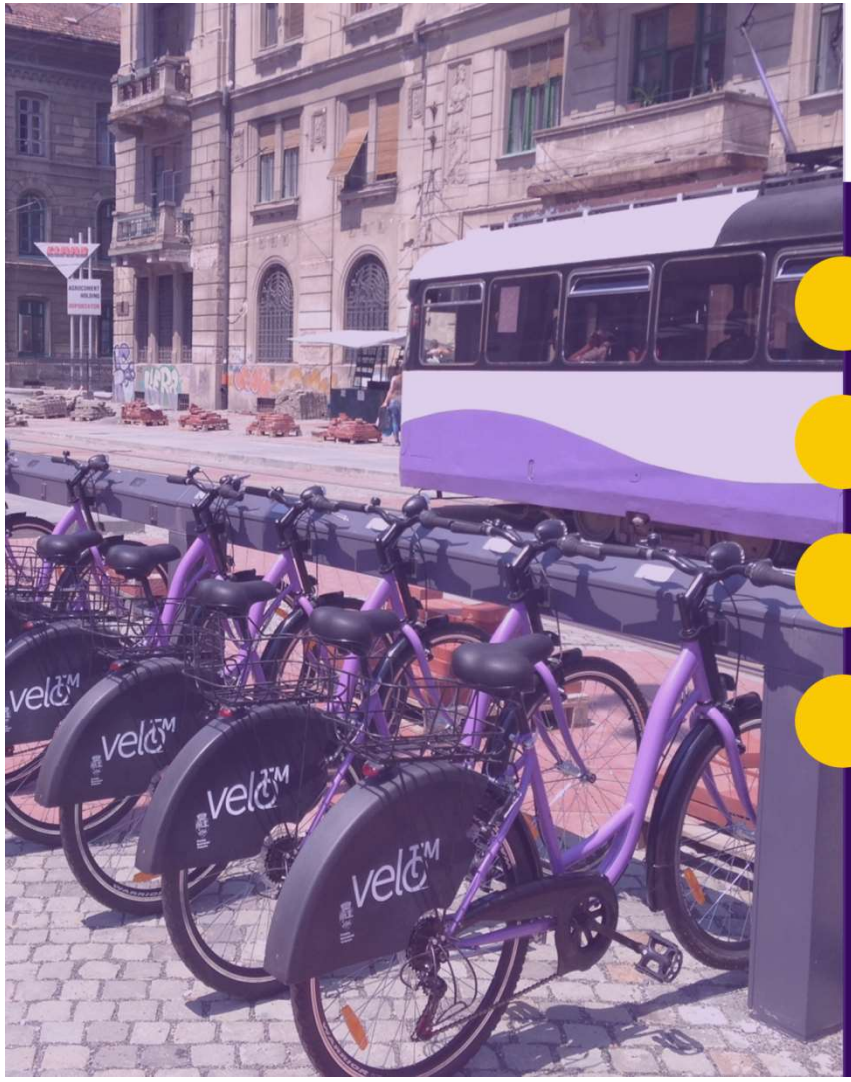
NATIONAL PREMIERE

Extension to all parking lots by 2020





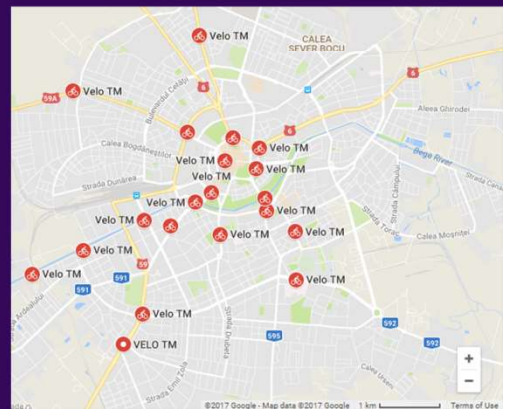
ZTE

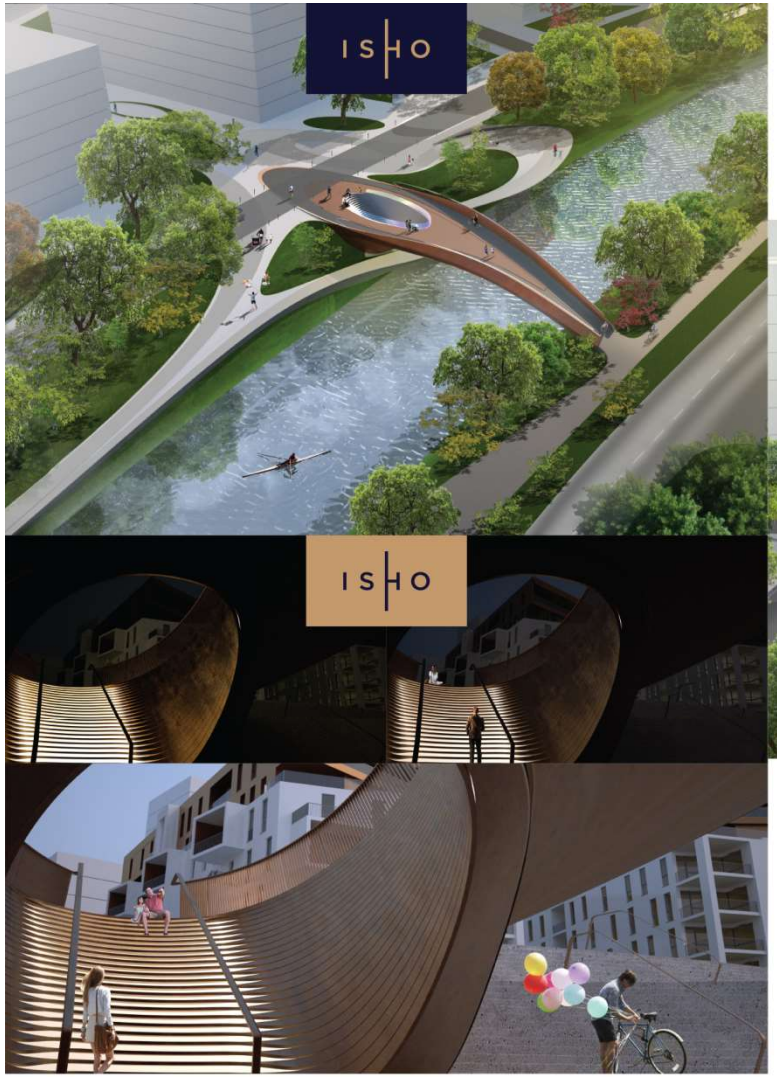


INTERMODAL. GREEN TRANSPORT

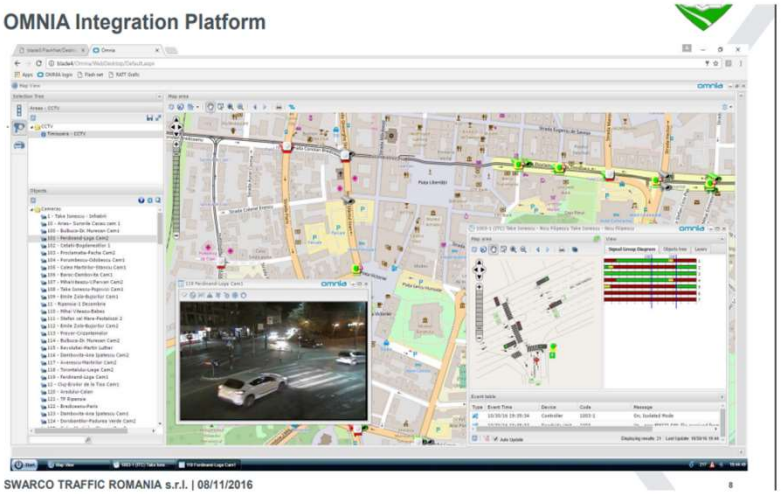
velo TM
Bike Sharing System

- **25.000** users
- **33** intermodal stations + **20** (2020)
- **450** bikes + **500** (2020)
- **free service**





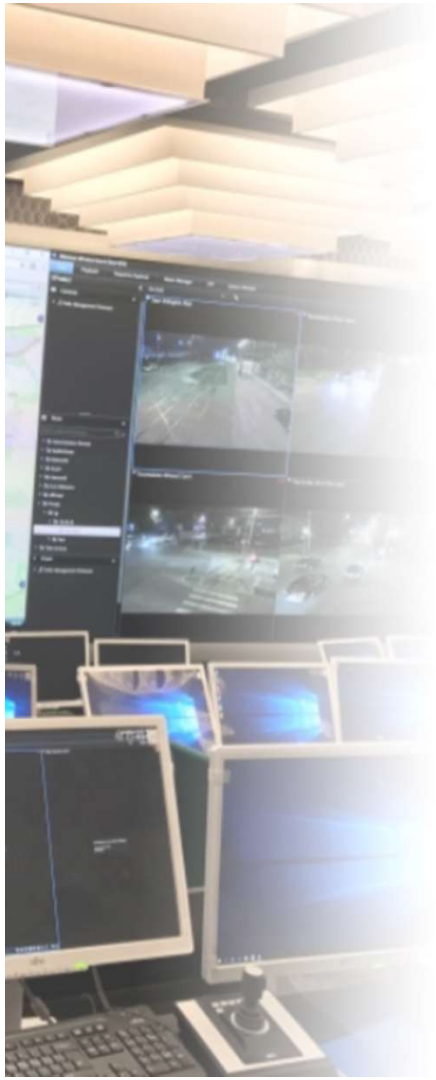
DESIGNING AND BUILDING
for sustainable mobility
The ISHO Bridge for bike and pedestrian use



Subsystems:

Traffic Control Centre of Timisoara City
Integration platform (OMNIA)
Detection Subsystem (inductive loops, video)
Traffic Light Subsystem
Centralised Traffic Management and Control Subsystem (UTOPIA)
Public Transport Prioritization Subsystem (FLASH)
Video Surveillance Subsystem (CCTV)
Communication Subsystem;
Red & Speed Enforcement Subsystem
Automatic License Plate Recognition Subsystem (ALPR)
Fault Management Subsystem (FMS)
Info-Mobility Subsystem (Compass)

TRAFFIC MANAGEMENT SYSTEM



source: trafficindex.org

Thank you