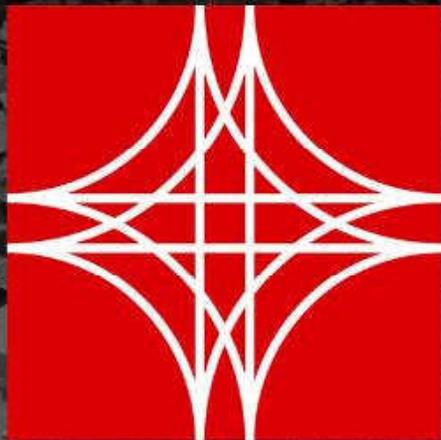
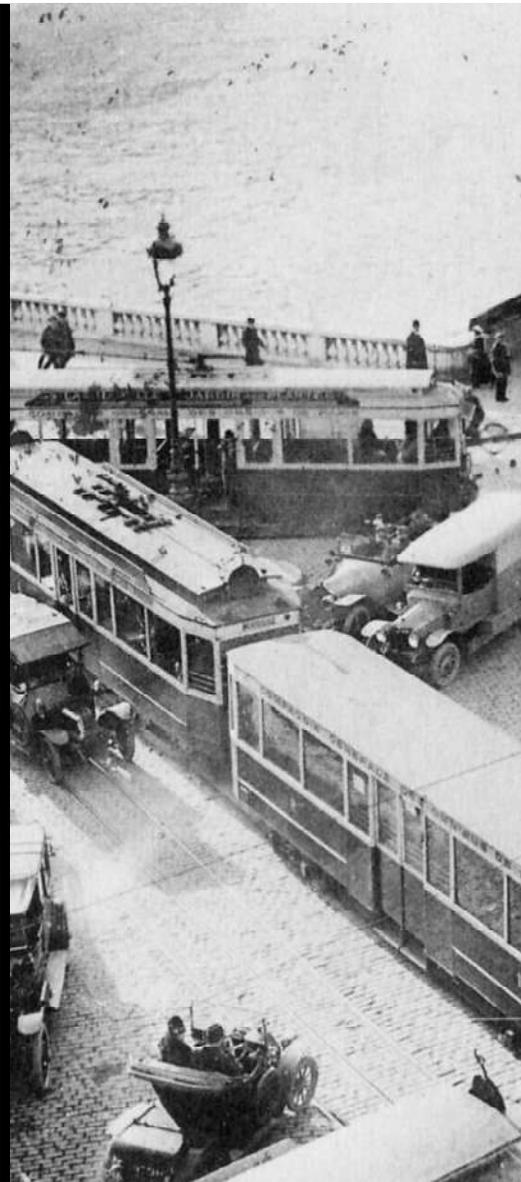


# TRAMVAIUL IN BRAȘOV

## ACTUL 2











1973



# NANTES 1985

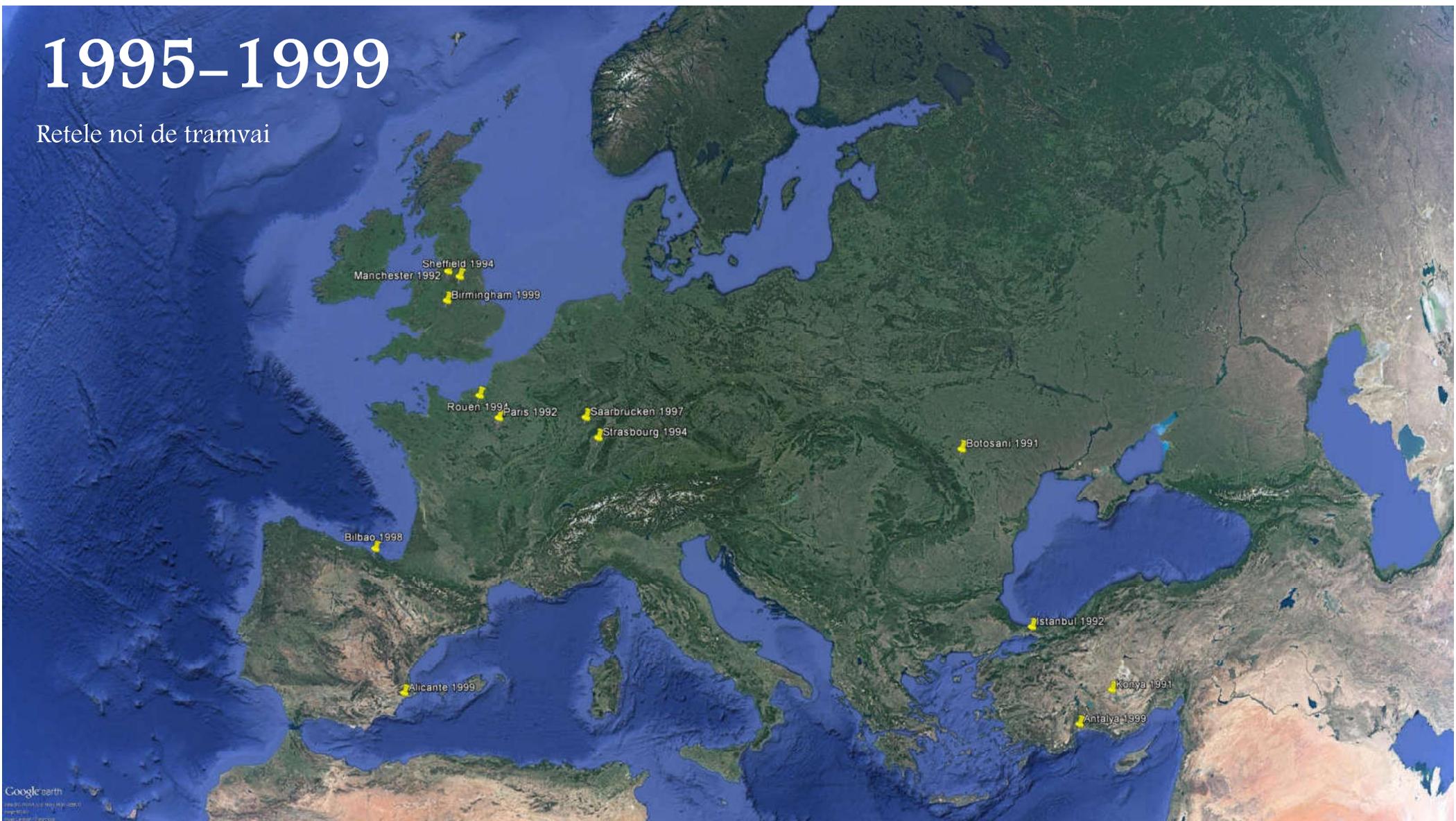


BRASOV  
1987



# 1995-1999

Retele noi de tramvai



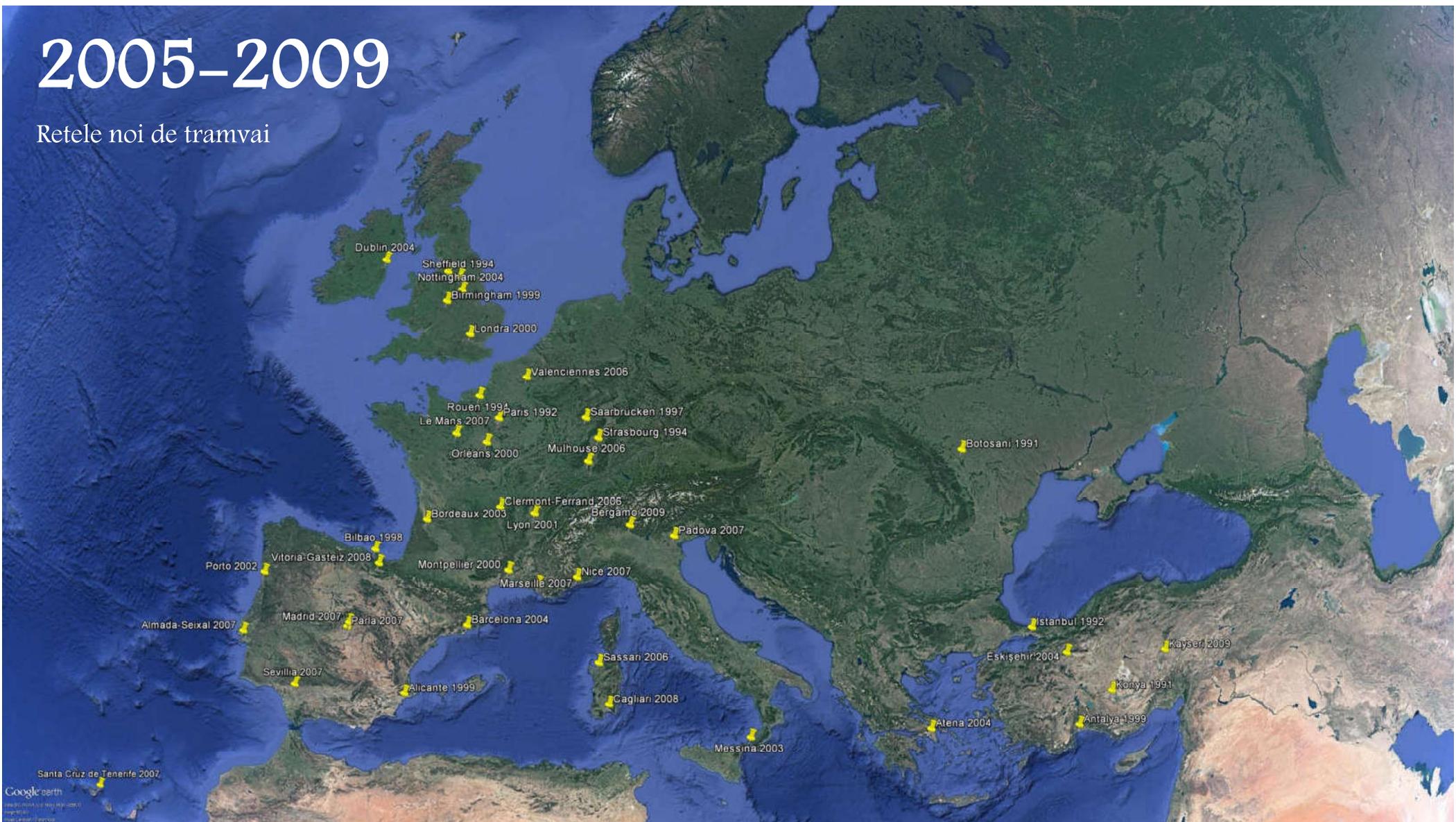
# 2000-2004

Retele noi de tramvai



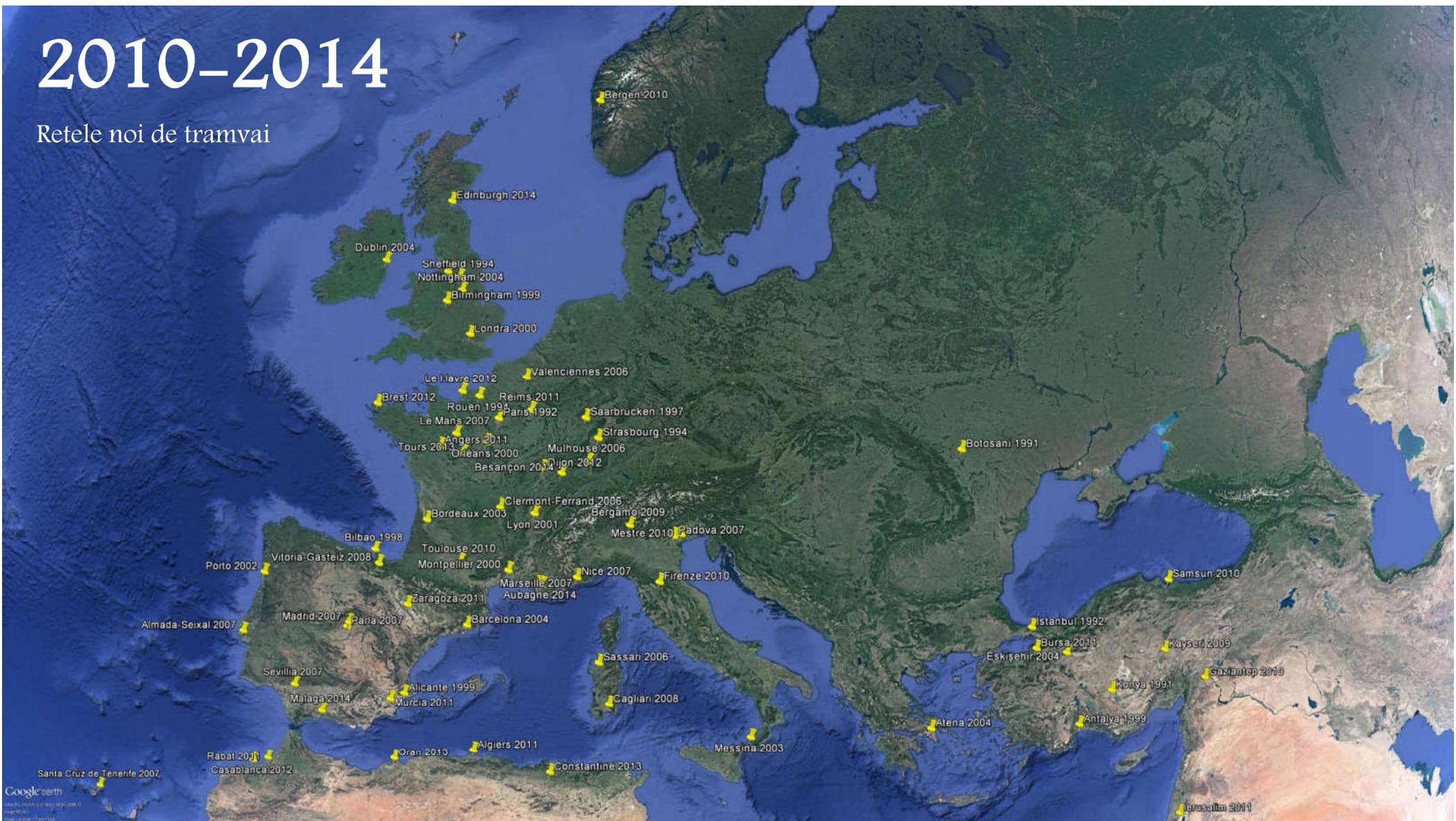
# 2005-2009

Retele noi de tramvai



# 2010-2014

Retele noi de tramvai



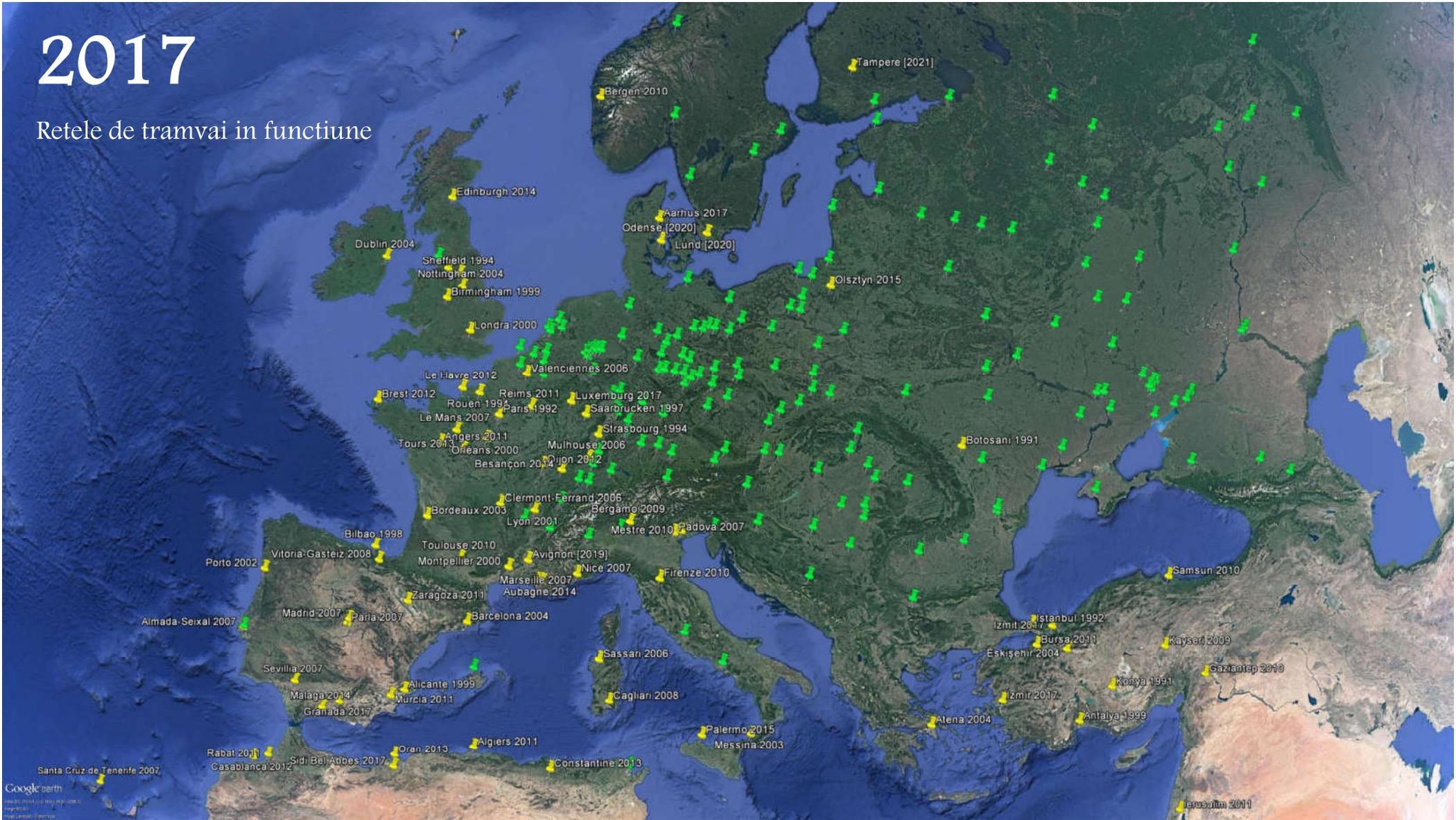
# 2015-2017

Retele noi de tramvai



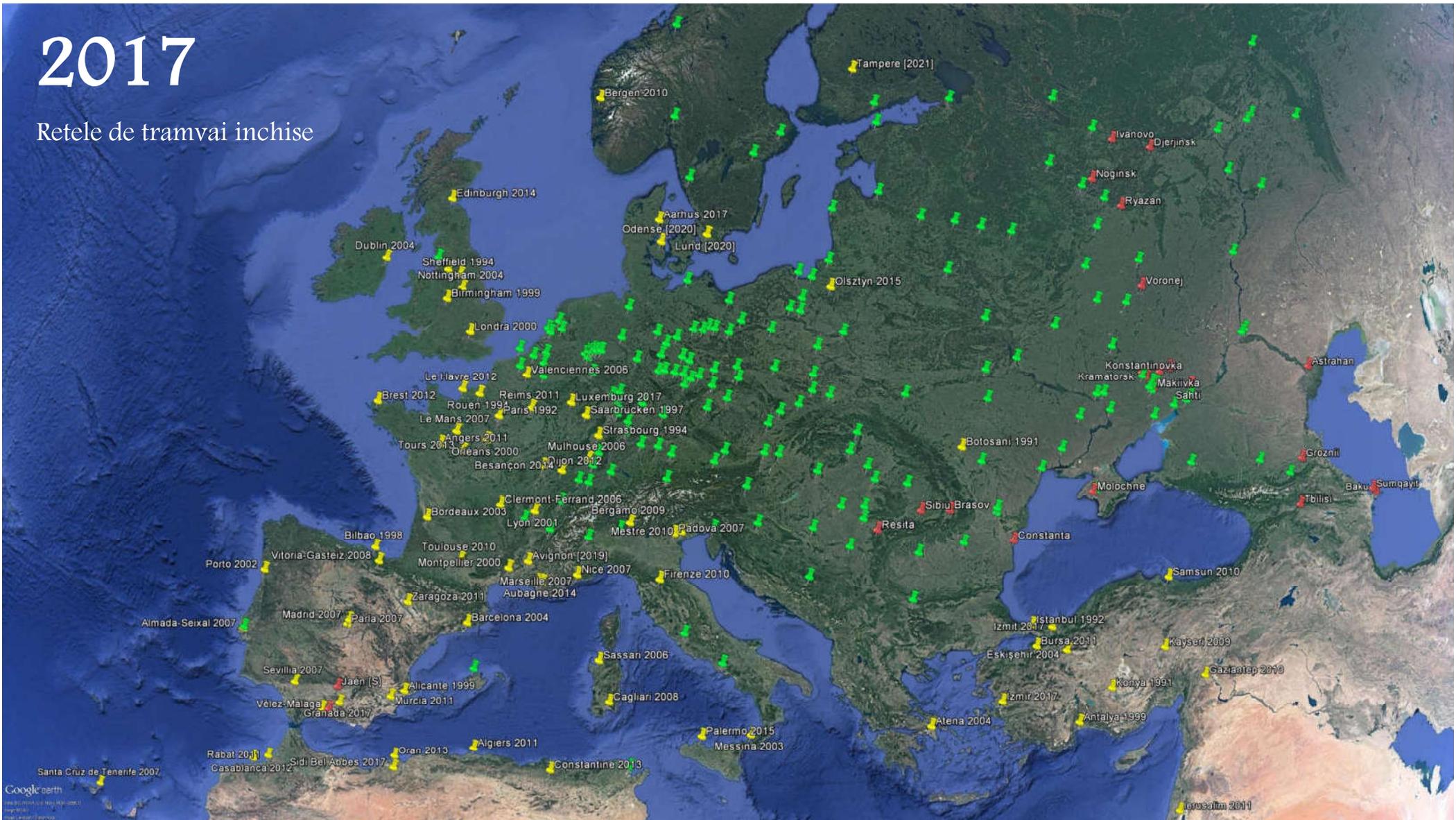
# 2017

Retele de tramvai in functiune



# 2017

Retele de tramvai inchise

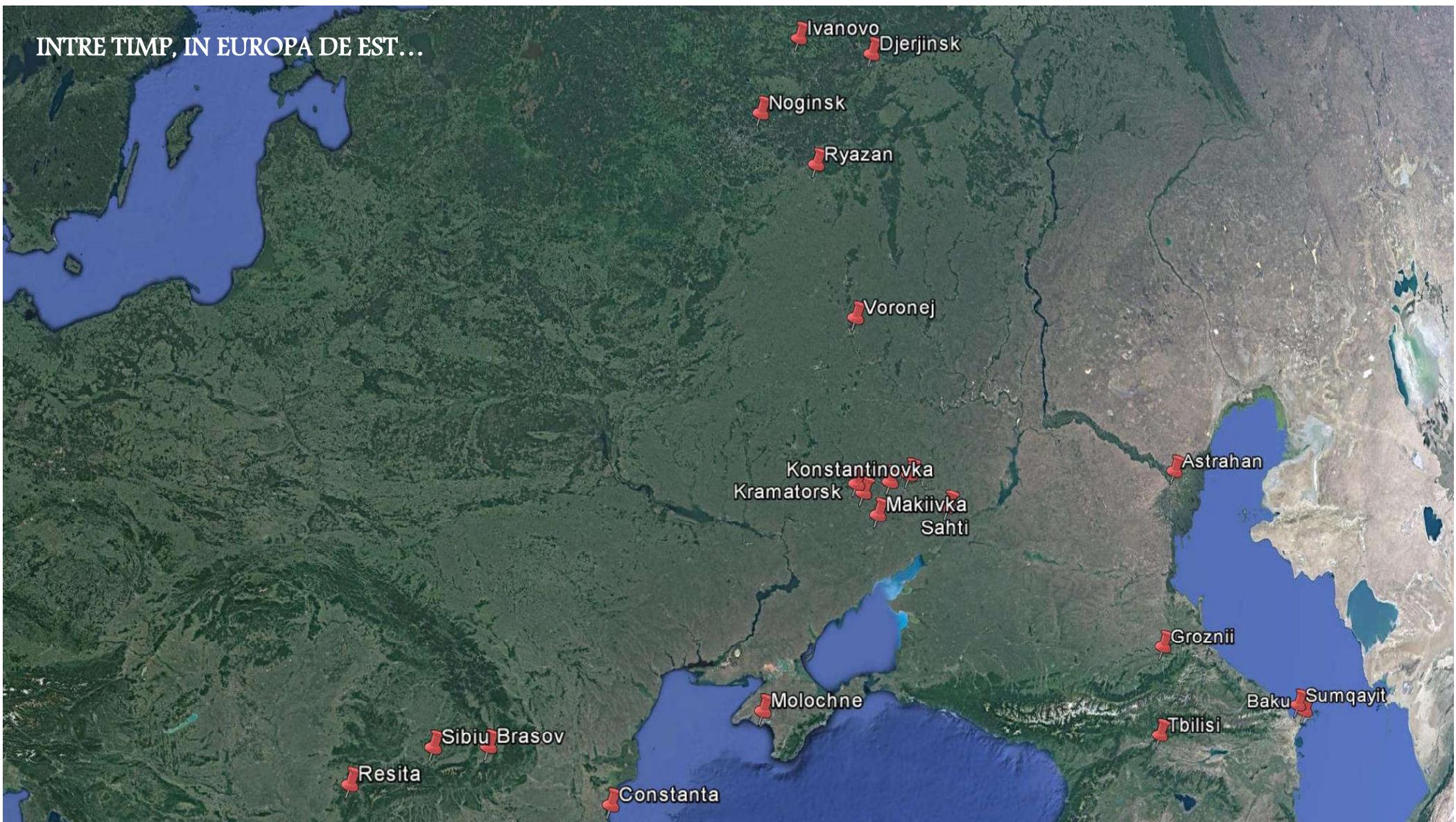


# 2017

Retele de tramvai inchise



INTRE TIMP, IN EUROPA DE EST...



Ivanovo

Djerjinsk

Noginsk

Ryazan

Voronej

Konstantinovka

Kramatorsk

Makiivka

Sahti

Astrahan

Grozni

Molochne

Tbilisi

Baku

Sumqayit

Sibiu Brasov

Resita

Constanta

## Uzbeks in Tashkent bid farewell to tram service

© 29 April 2016 Asia

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Some of the newer trams are only five years old

People in Uzbekistan's capital Tashkent are bidding farewell to the city's trams after local officials decided to take them out of service.

The move to close the 90km (56-mile) network and sell its fleet of 80 trams was announced in March.

Tashkent mayor Rakhmonbek Usmayov said the trams were unprofitable and slowing down traffic on the city's busy roads.

METRO

## Toshkent tram network to close

30 Mar 2016



UZBEKISTAN: Tashkent Mayor Rakhmonbek Usmonov announced on March 29 that the city's 87.8 route-km tram network is to close by the end of the year. The former tracks will be used to provide additional road space, which the city authorities hope will reduce traffic congestion. Tram services are to be replaced by buses, with shadow bus routes introduced alongside trams from April 5.

Parts of the 1 524 mm gauge network have been closing for the past few years. In July 2015 tram Route 13 was cut back, and more closures followed earlier this year. The second of three depots was closed in August 2015, following closure of the first in 2001.

In August 2007 operator Tashgorpastrans bought 30 type KTM-19 trams from UKVZ, followed by an order for 20 Pragoimex Vario LF trams in 2011. These are all to be sold.

March 29, 2016

## Tashkent tram network to close

Written by Mykola Zasiadko

Print Email

t Tweet l Like Share ln Share G+1 G+ Share



UZBEKISTAN's capital Tashkent is to close its entire 90km tram network by August and sell its fleet of 80 trams, some of which are less than five years old.

According to the city's mayor Mr Rakhmanbek Usmanov, trams no longer provide an effective means of transport. The 1524mm-gauge 600V dc tram system only carries around 20,000 passengers per day, compared with 700,000 on the bus network and more than 2 million on the metro.

Removing tram lines will enable the city to widen some of its roads. The city council is planning to develop a third ring road to ease traffic congestion in central districts.

The contraction of the tram network began in 1999 but despite the gradual closure of lines, rolling stock renewal continued. In 2007 Tashkent acquired 30 KTM-19 trams from UKVZ, Russia, and in 2011-12 it received 20 VarioLF vehicles from Pragoimex, Czech Republic.

Tashkent's tram network is one of the oldest in central Asia, with the first line opening in 1912. In 1973 it became the only city in Uzbekistan to operate trams following the closure of the network in Samarqand.

t Tweet l Like 116 people like this. Be the first of your friends. G+1 +1

” The former tracks will be used to provide additional road space, which the city authorities hope will reduce traffic congestion. Tram services are to be replaced by buses, with shadow bus routes introduced alongside trams from April 5 ”

” Removing tram lines will enable the city to widen some of its roads. The city council is planning to develop a third ring road to ease traffic congestion in central districts ”



## Paradoxul calității aerului: cât de poluat este Brașovul

Brașovenii din cartierul Răcădău cred că respiră cel mai curat aer din România, potrivit unui studiu realizat de un site de imobiliare. În statisticele oficiale, însă, Brașovul este unul dintre cele mai poluate orașe din România. Iar specialiștii atrag atenția că dacă o locuință se afla lângă o zonă verde, asta nu înseamnă neapărat și că aerul este de o calitate mai bună.



Cartierul Răcădău este situat între dealul Piscul Vechii și muntele Tâmpa. Este cel mai bine poziționat cartier din Brașov și una dintre cele mai căutate zone de locuit.

Dacă-i întrebi, oamenii din Răcădău sunt conștienți că respiră cel mai curat aer din țară. Sunt de părere că pădurea din imediata vecinătate acționează ca o barieră în calea poluării.

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- Cele mai bune joburi

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Cum sa tratezi si sa previi infectiile de dupa barbierit

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### Comisia Europeana lanseaza trei proceduri de infringere impotriva Romaniei, pentru poluare si sanatate

de R.M. HotNews.ro  
Joi, 25 septembrie 2014, 14:13 Actualitate | Esencial

Comisia Europeana a lansat joi trei proceduri de infringere impotriva Romaniei, una care vizeaza gradul mare de polure cu particule fine si doua care vizeaza domeniul sanatatii.

1. *Mediu: Comisia solicita Romaniei sa ia masuri pentru a diminua poluarea aerului.*

Romania nu isi protejeaza cetatenii de poluarea cu particule fine (PM10), potrivit unui comunicat al Comisiei. Aceste particule fine provin din emisiile generate de industrie, trafic si incalzirea locuintelor si pot cauza astm, afectiuni cardiovasculare, cancer pulmonar si deces prematur. In conformitate cu legislatia UE, statele membre au obligatia de a limita expunerea cetatenilor la particulele de acest tip.

Cetatenii din anumite zone din Bucuresti, Brasov si Iasi au fost expusi in mod aproape continuu unor niveluri nesanatoase de PM10 inca din 2007, potrivit ultimelor rapoarte din 2012. Comisia considera ca Romania nu a intreprins actiunile necesare inca din 2007 pentru protejarea sanatatii cetatenilor si solicita Romaniei sa ia masuri de perspectiva rapide si eficiente pentru ca perioada de neconformitate sa fie cat mai scurta posibil.

Actiunea de joi, care este din punct de vedere tehnic un aviz motivat suplimentar, urmeaza unei scrisori de punere in intarziere suplimentare transmisa in februarie 2013. Daca Romania nu actioneaza, Comisia poate sesiza cazul Curtii de Justitie a UE.

2. *Prescriptiile medicale: Comisia indeamna ROMANIA sa notifice transpunerea deplina a normelor de recunoastere a prescriptiilor emise in alt stat membru*

Comisia a adresat o cerere oficiala Romaniei de a asigura transpunerea deplina a Directivei de stabilire a unor masuri pentru facilitarea recunoasterii prescriptiilor medicale emise in alt stat membru (2012/52/UE). Directiva este menita sa sporeasca capacitatea farmacistilor de a intelege si de a elibera prescriptii emise intr-o alta tara din UE pacientilor care isi exercita dreptul la asistenta medicala transfrontaliera. Ea impune statelor membre sa se asigure ca prescriptiile care urmeaza sa fie utilizate intr-un alt stat membru cuprind un anumit numar de elemente, stabilite in anexa la directiva. Directiva a fost transpusa partial de Romania.

ȘTIRILE PRO TV  
15.07.2017, 05:25  
#special Romania, te iubesc! Show-Buzz Ardeal Video

ultimele stiri  
Lectia de cultura data de un sat din Transilvania. Oana Pelea: "Ducereul trebuie sa invete de la ei"  
De Ziua Nationala de la atentatul din ucici de terorist

ȘTIRI Social

## Cele mai poluate orase ale Romaniei, in vizorul UE. Unul dintre ele e vizitat de turisti pentru aerul sau curat



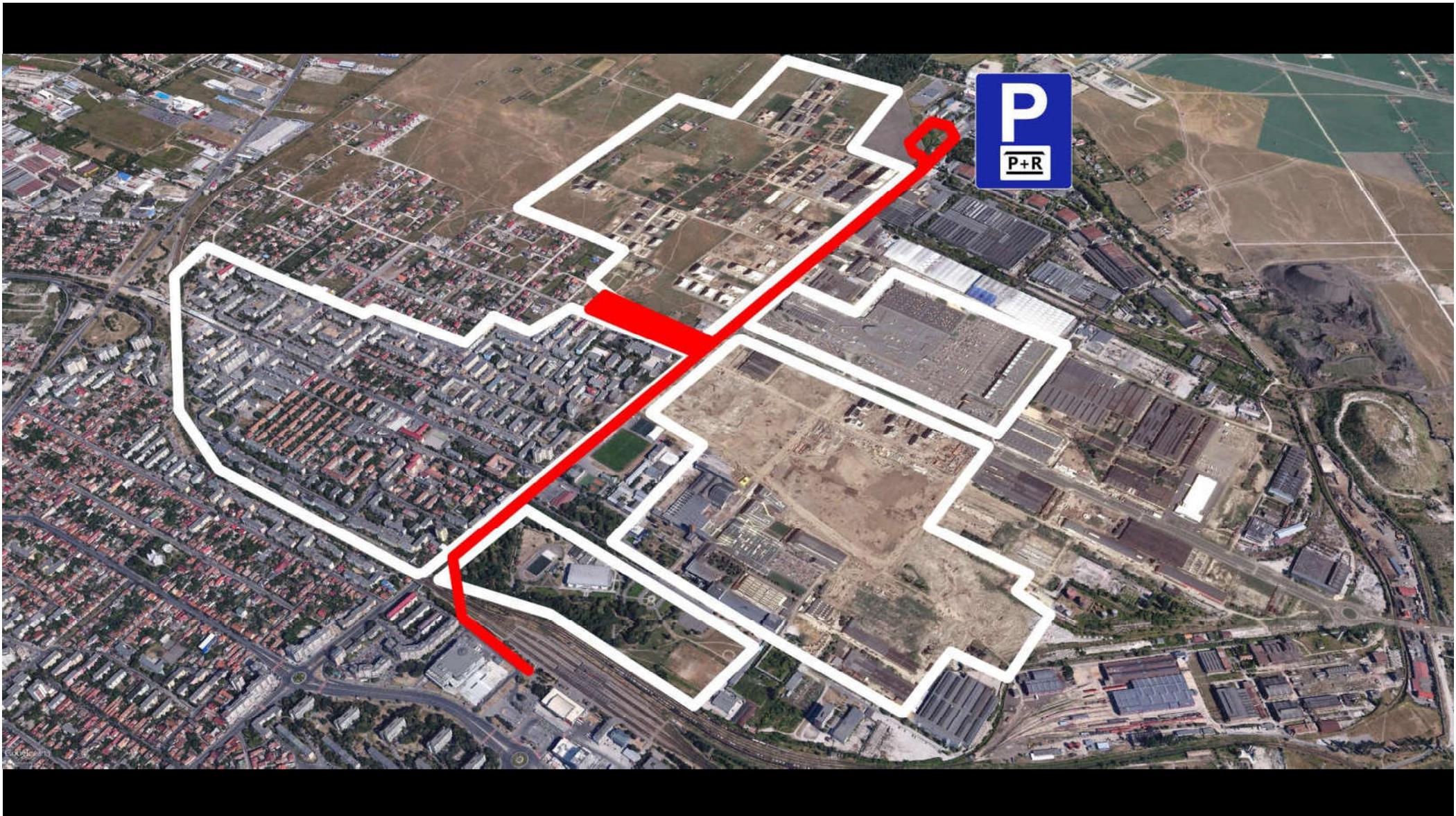
Cautam sa traim in cartiere cu verdeata, unde, credem noi, aerul este curat. Studiile ne arata insa ca unele orase din Romania, situate chiar langa paduri, sunt printre cele mai poluate.

” Cetatenii din anumite zone din Bucuresti, Brasov si Iasi au fost expusi in mod aproape continuu unor niveluri nesanatoase de PM10 inca din 2007, potrivit ultimelor rapoarte din 2012. Comisia considera ca Romania nu a intreprins actiunile necesare inca din 2007 pentru protejarea sanatatii cetatenilor si solicita Romaniei sa ia masuri de perspectiva rapide si eficiente pentru ca perioada de neconformitate sa fie cat mai scurta posibil ”

An aerial photograph of Brasov, Romania, showing a dense urban landscape with red-tiled roofs and a central square with a clock tower. The text "BRASOV 1987-2006 20??-" is overlaid on the right side of the image.

BRASOV  
1987-2006  
20??-



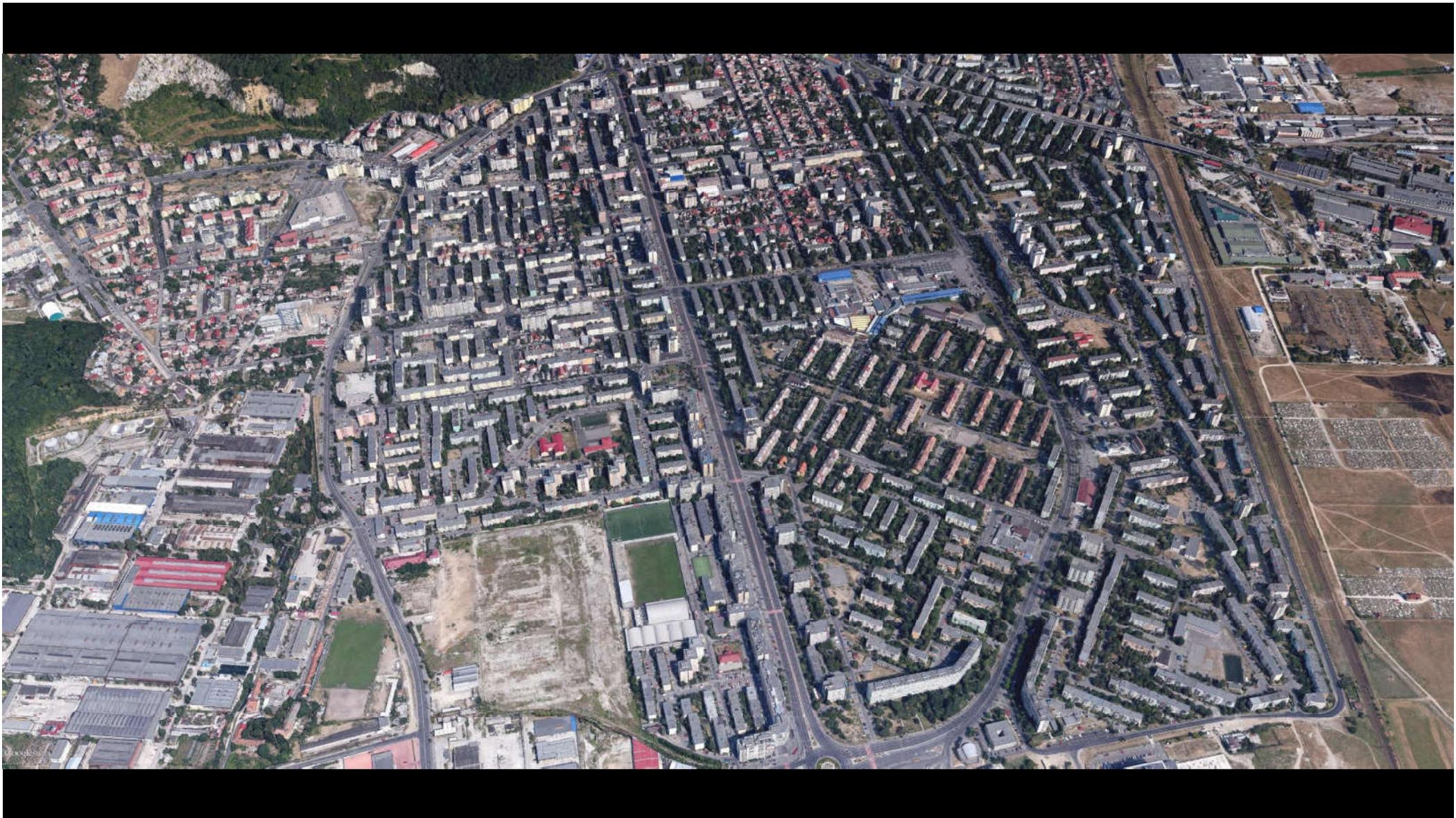






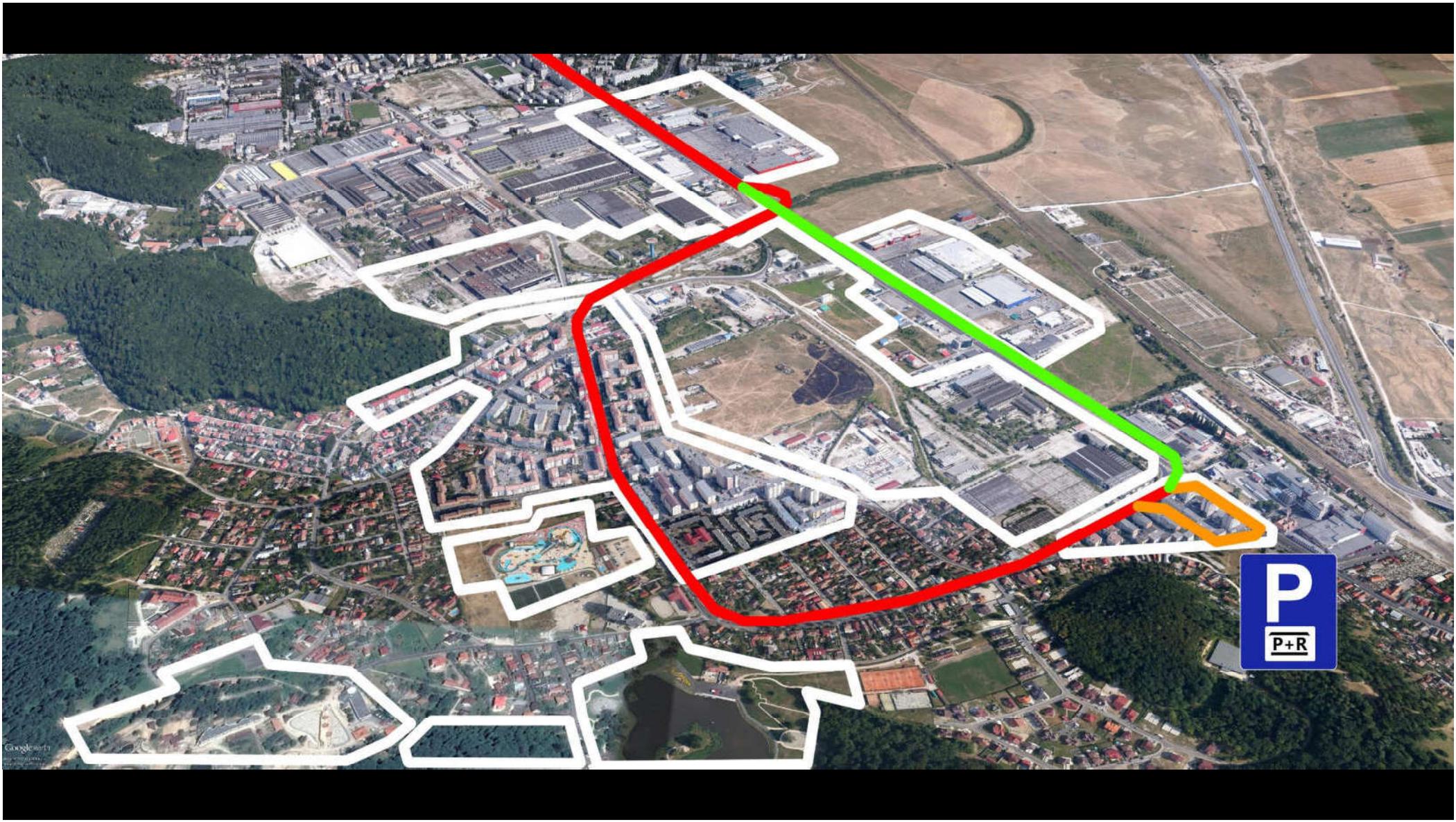


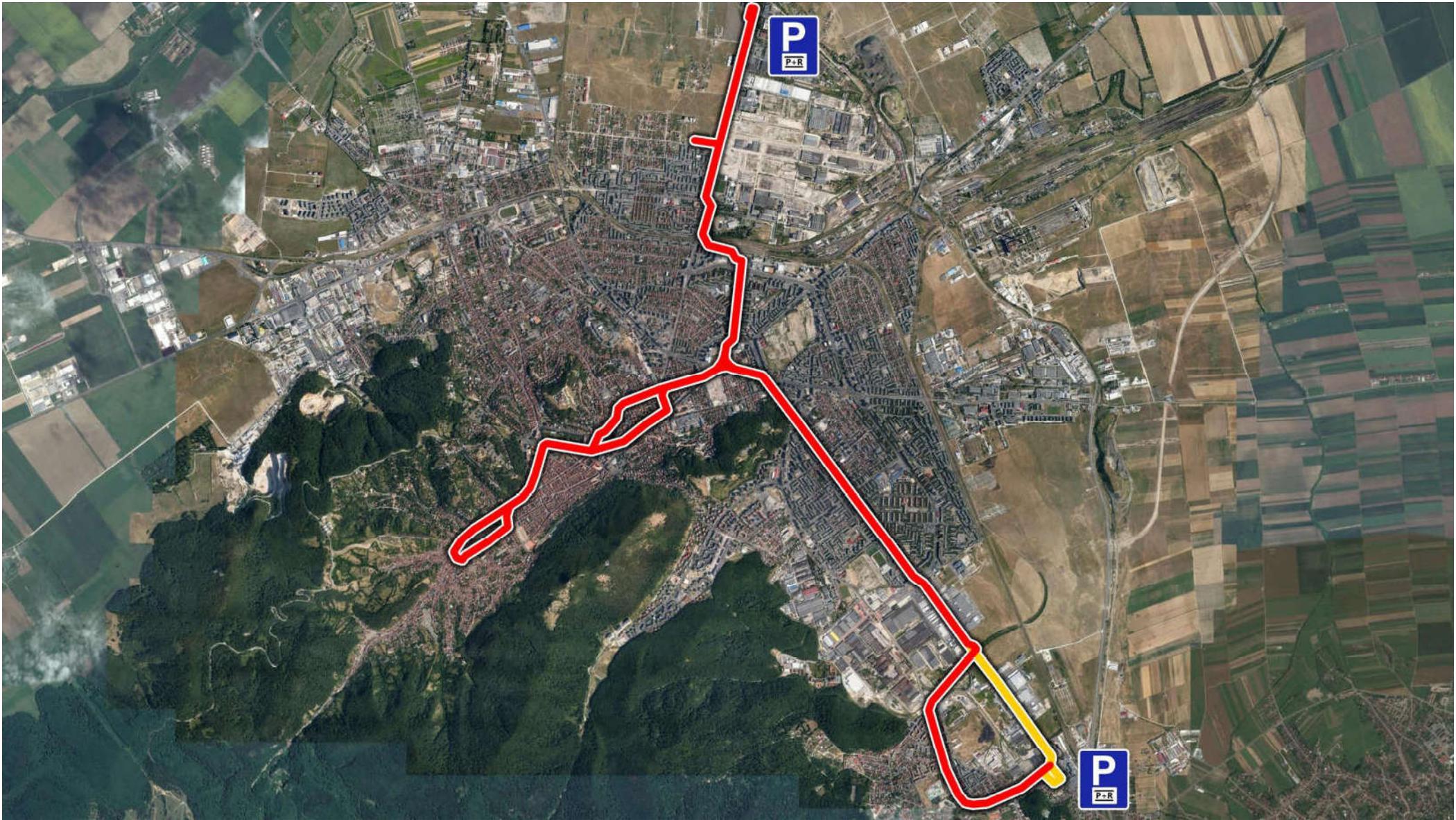






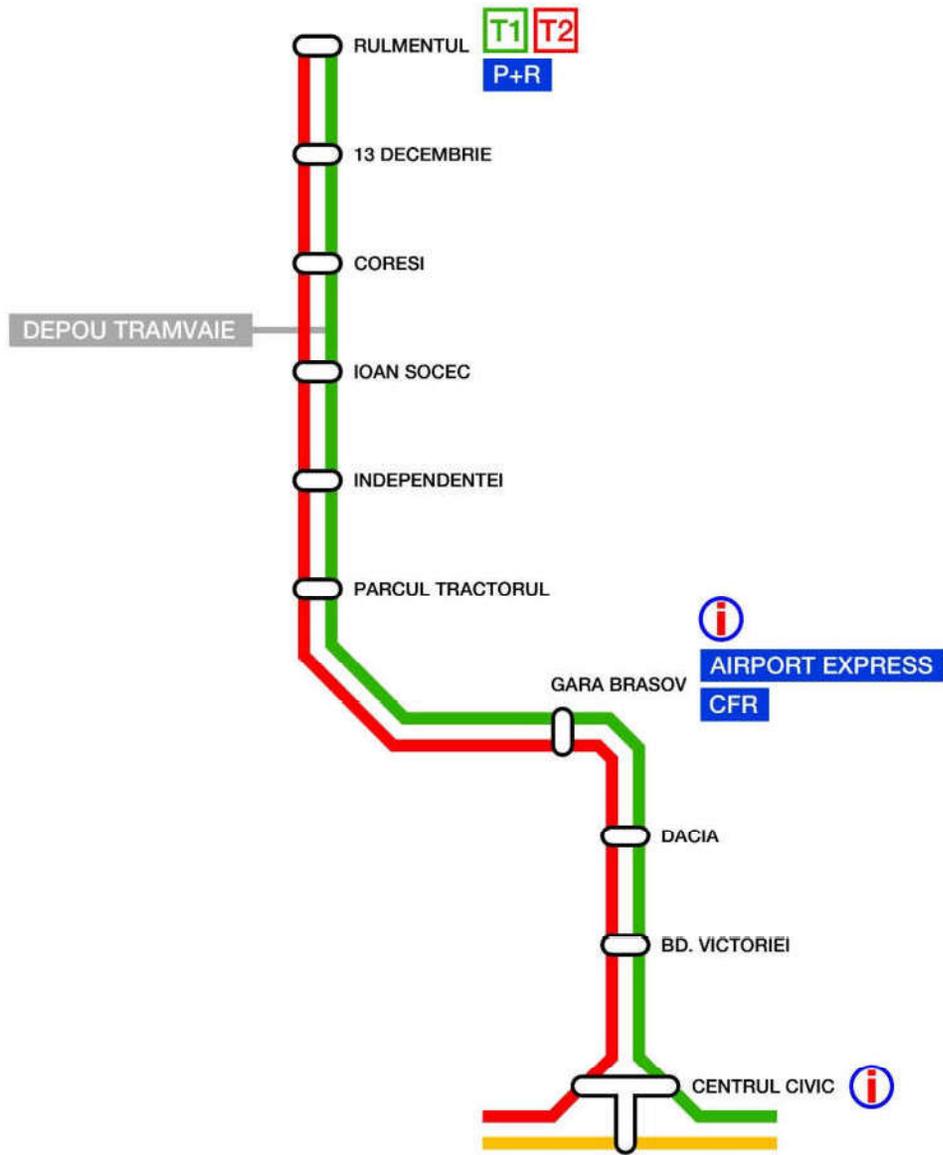




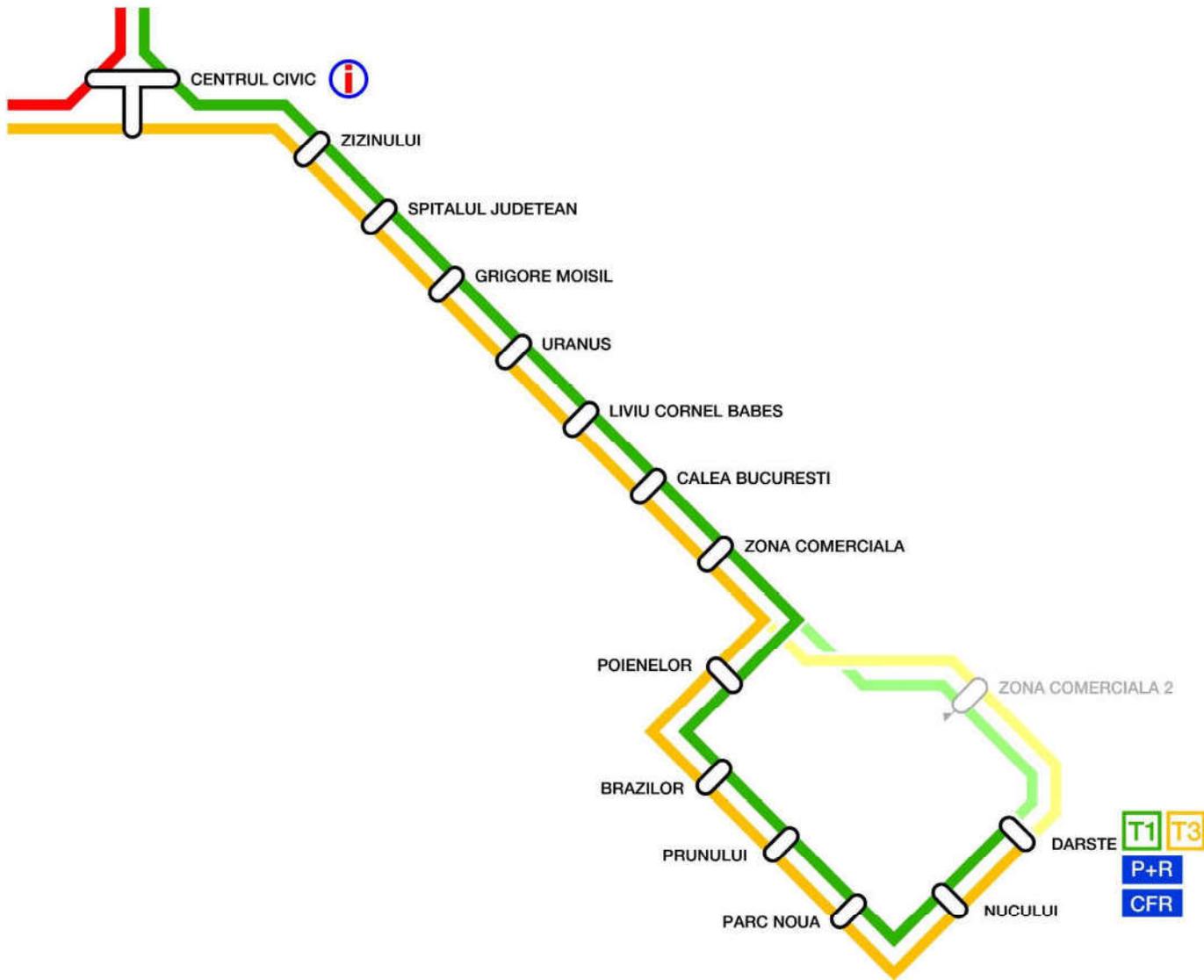


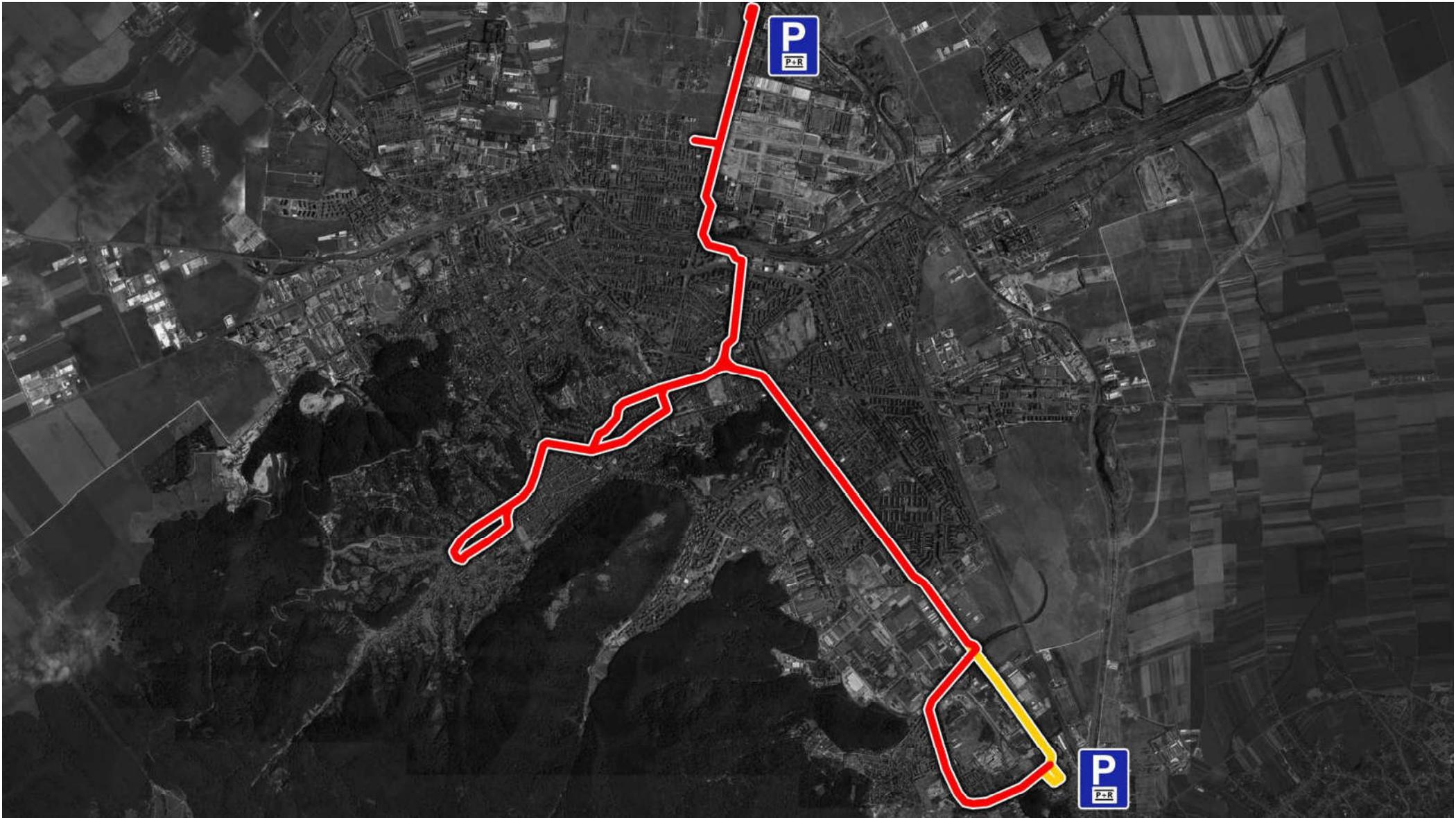




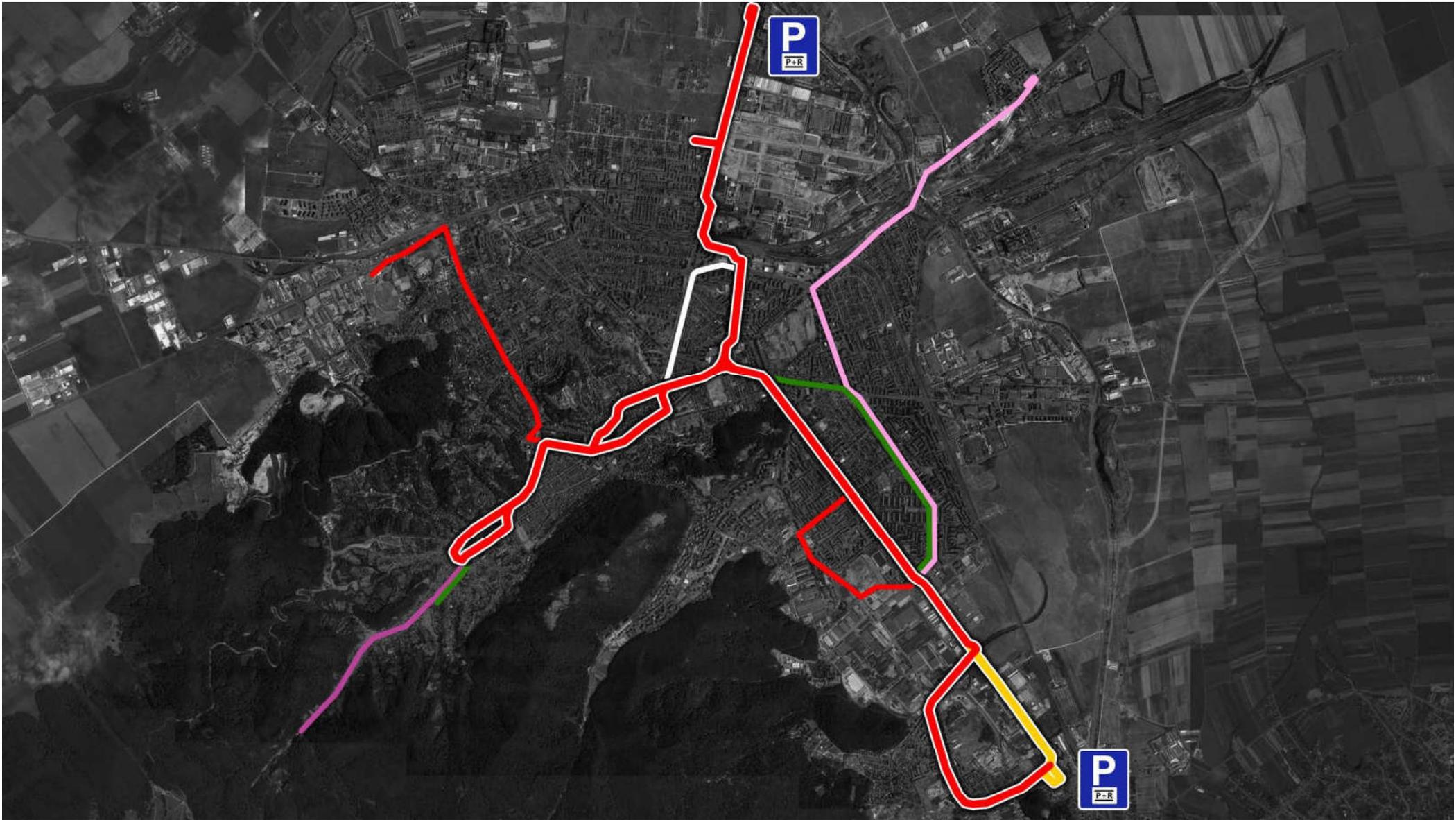


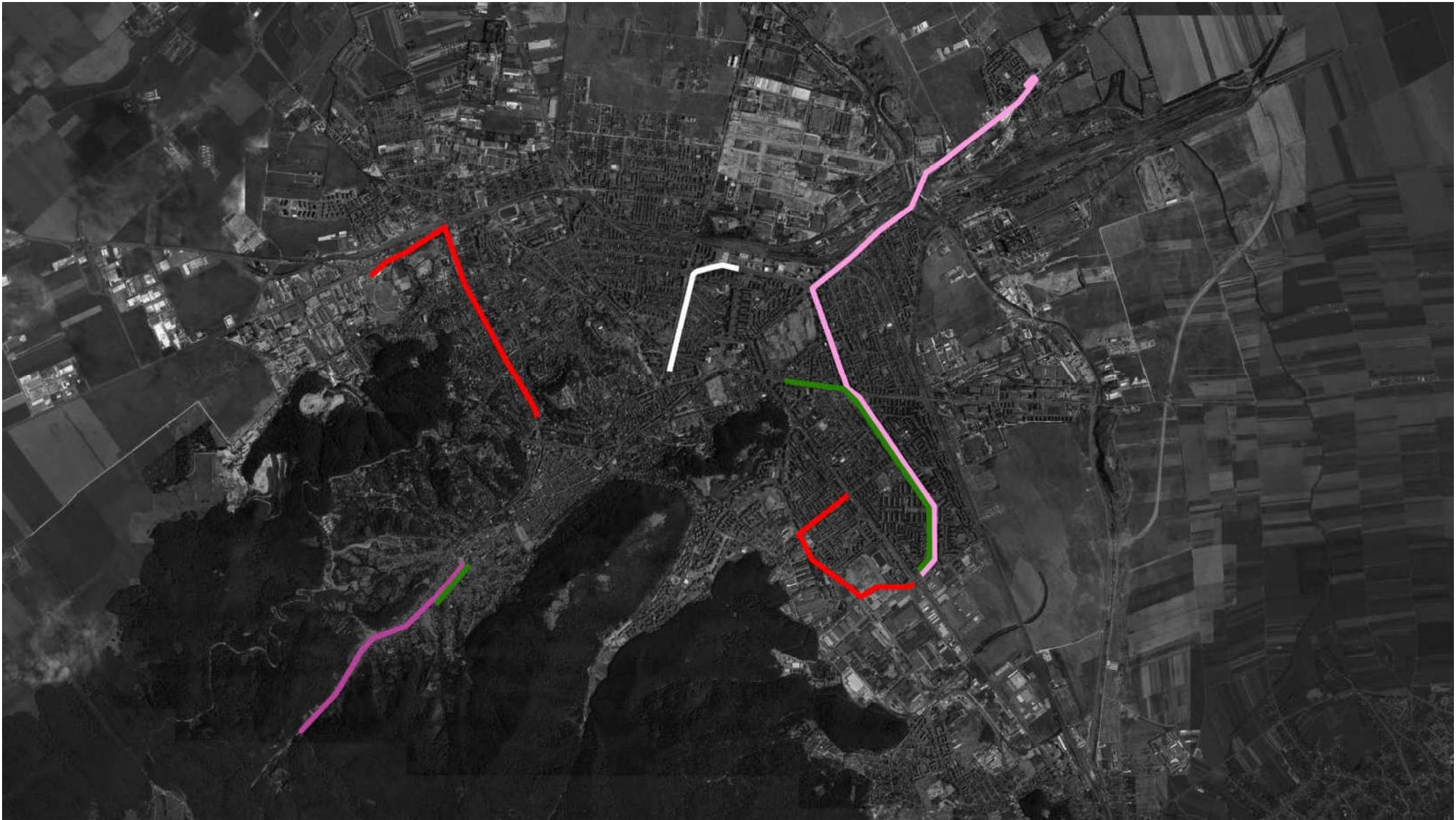






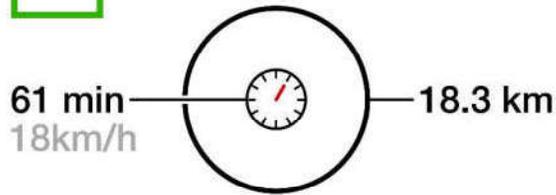






**T1**

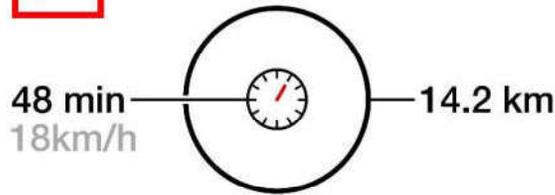
RULMENTUL - DARSTE



1 tramvai	61 min
2 tramvaie	30 min 30 s
3 tramvaie	20 min 20 s
4 tramvaie	15 min 15 s
5 tramvaie	12 min 15 s
6 tramvaie	10 min 10 s
7 tramvaie	8 min 45 s
8 tramvaie	7 min 40 s
9 tramvaie	6 min 50 s
10 tramvaie	6 min 10 s

**T2**

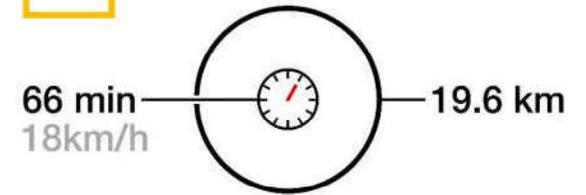
RULMENTUL - PIATA UNIRII



1 tramvai	48 min
2 tramvaie	24 min
3 tramvaie	16 min
4 tramvaie	12 min
5 tramvaie	9 min 40 s
6 tramvaie	8 min
7 tramvaie	6 min 55 s
8 tramvaie	6 min
9 tramvaie	5 min 20 s
10 tramvaie	4 min 50 s

**T3**

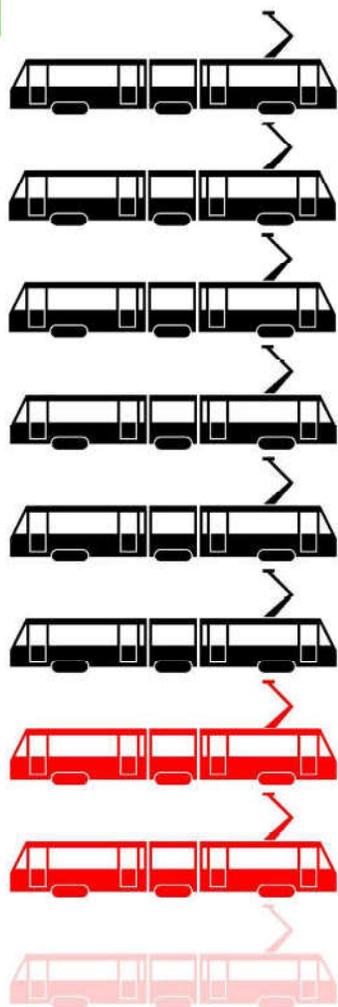
PIATA UNIRII - DARSTE



1 tramvai	66 min
2 tramvaie	33 min
3 tramvaie	22 min
4 tramvaie	16 min 30 s
5 tramvaie	13 min 15 s
6 tramvaie	11 min 30 s
7 tramvaie	9 min 30 s
8 tramvaie	8 min 15 s
9 tramvaie	7 min 20 s
10 tramvaie	6 min 40 s

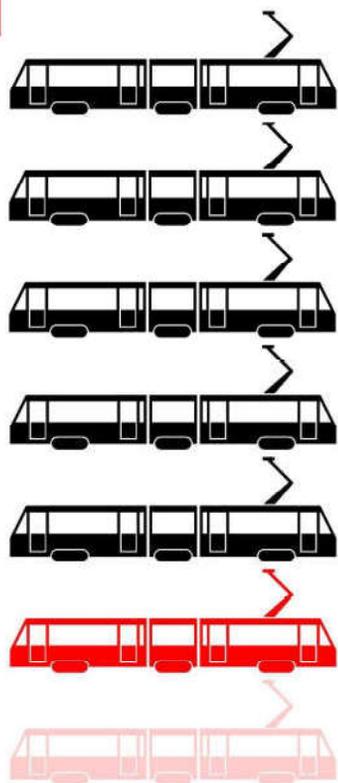
T1

RULMENTUL - DARSTE



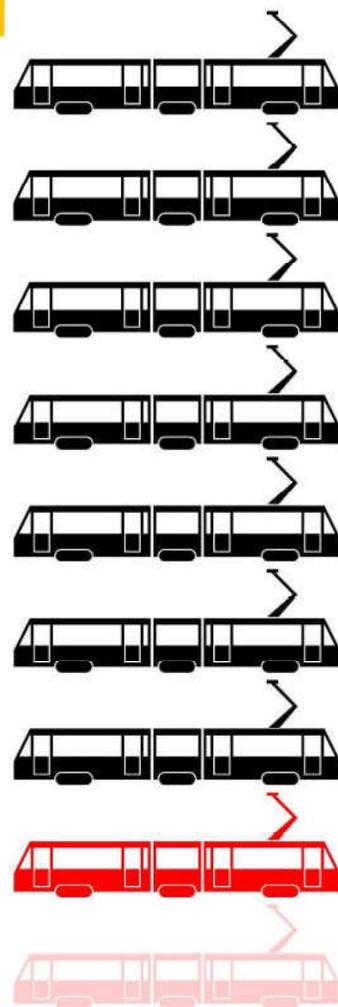
T2

RULMENTUL - PIATA UNIRII

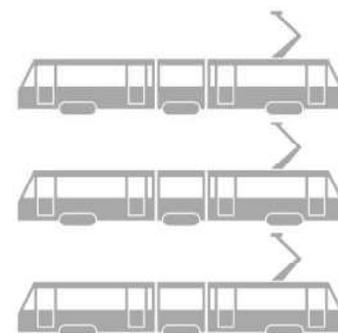


T3

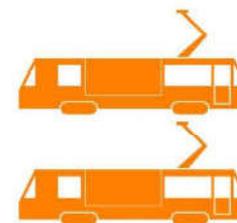
PIATA UNIRII - DARSTE



REZERVA ACTIVA

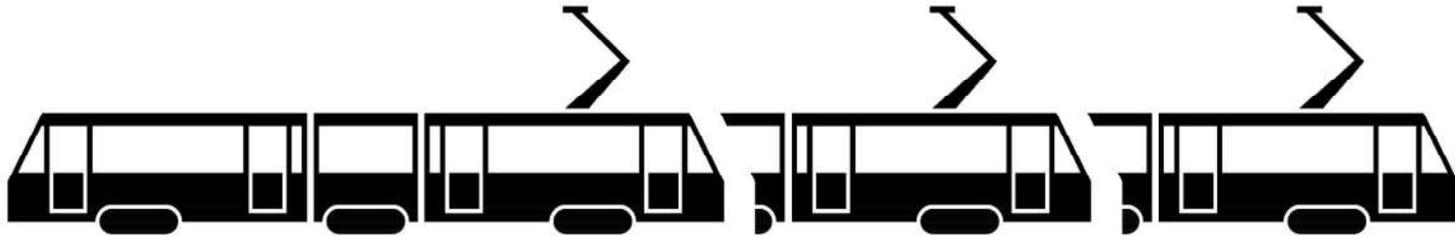


TEHNIC

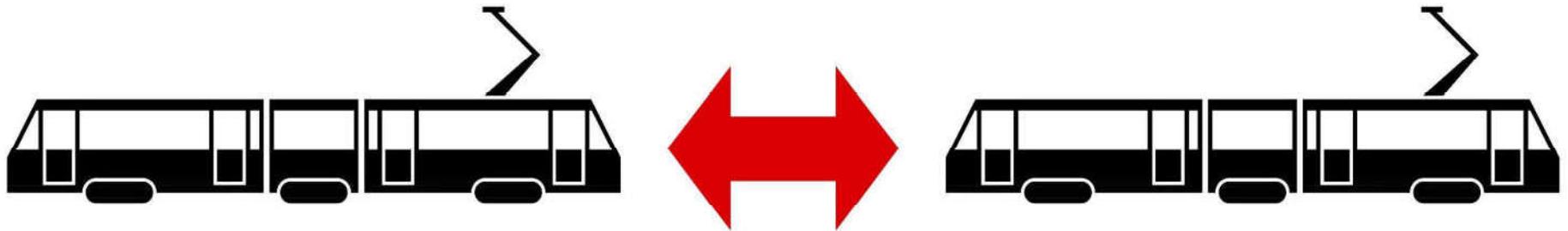


$$22 + 3 + 2$$

$$25 + 3 + 2$$



**25 TRAMVAIE**



**8 MINUTE**



**3 LINII DE TRAMVAI**

**11.6 KM LINIE DUBLA**

**4.2 KM LINIE SIMPLA**

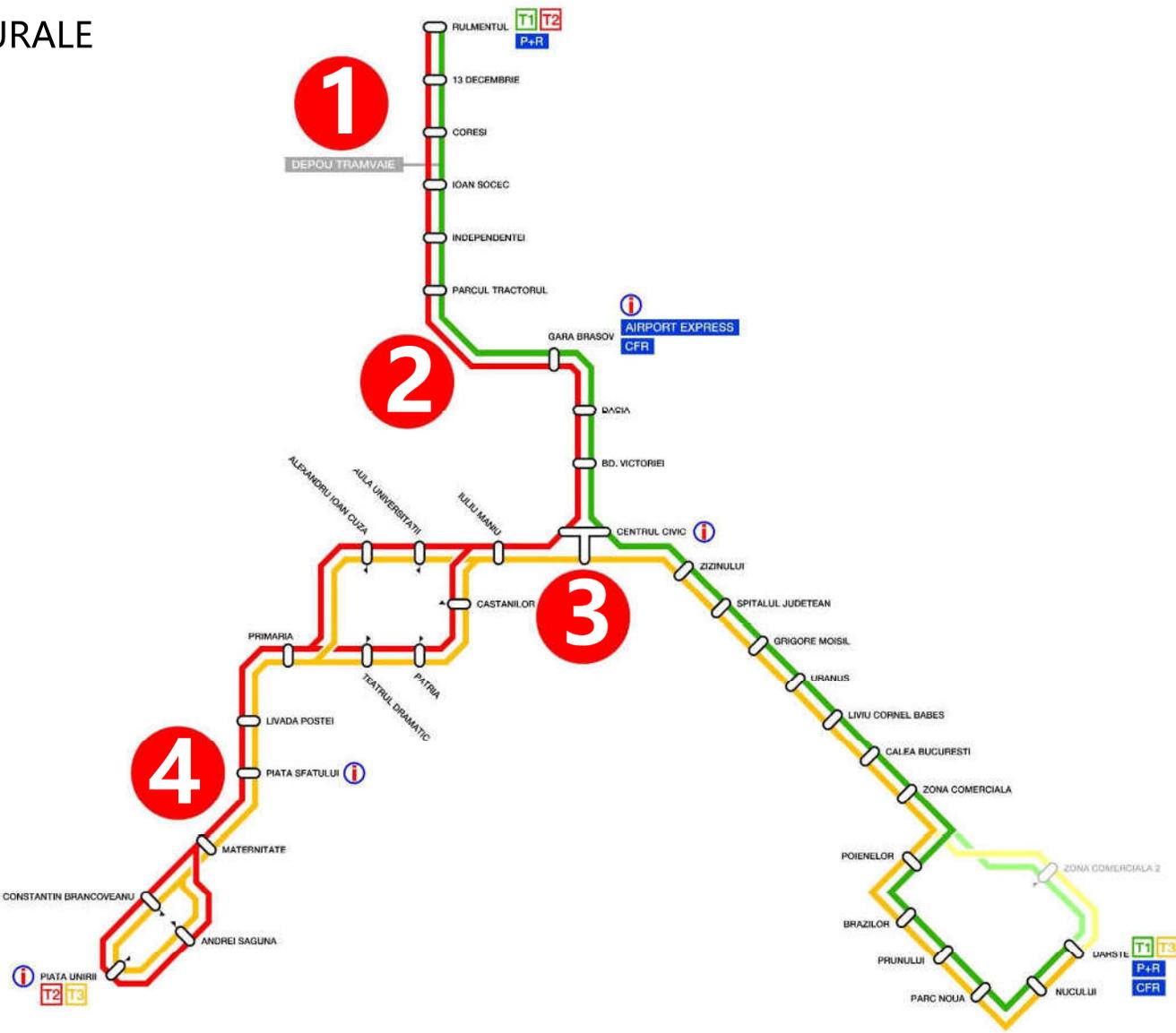
**1 DEPOU**

**36 STATII**

**380 M MEDIA INTRE STATII**

**2 PARCARI P+R**

# PROVOCARI ARHITECTURALE SI INGINERESTI



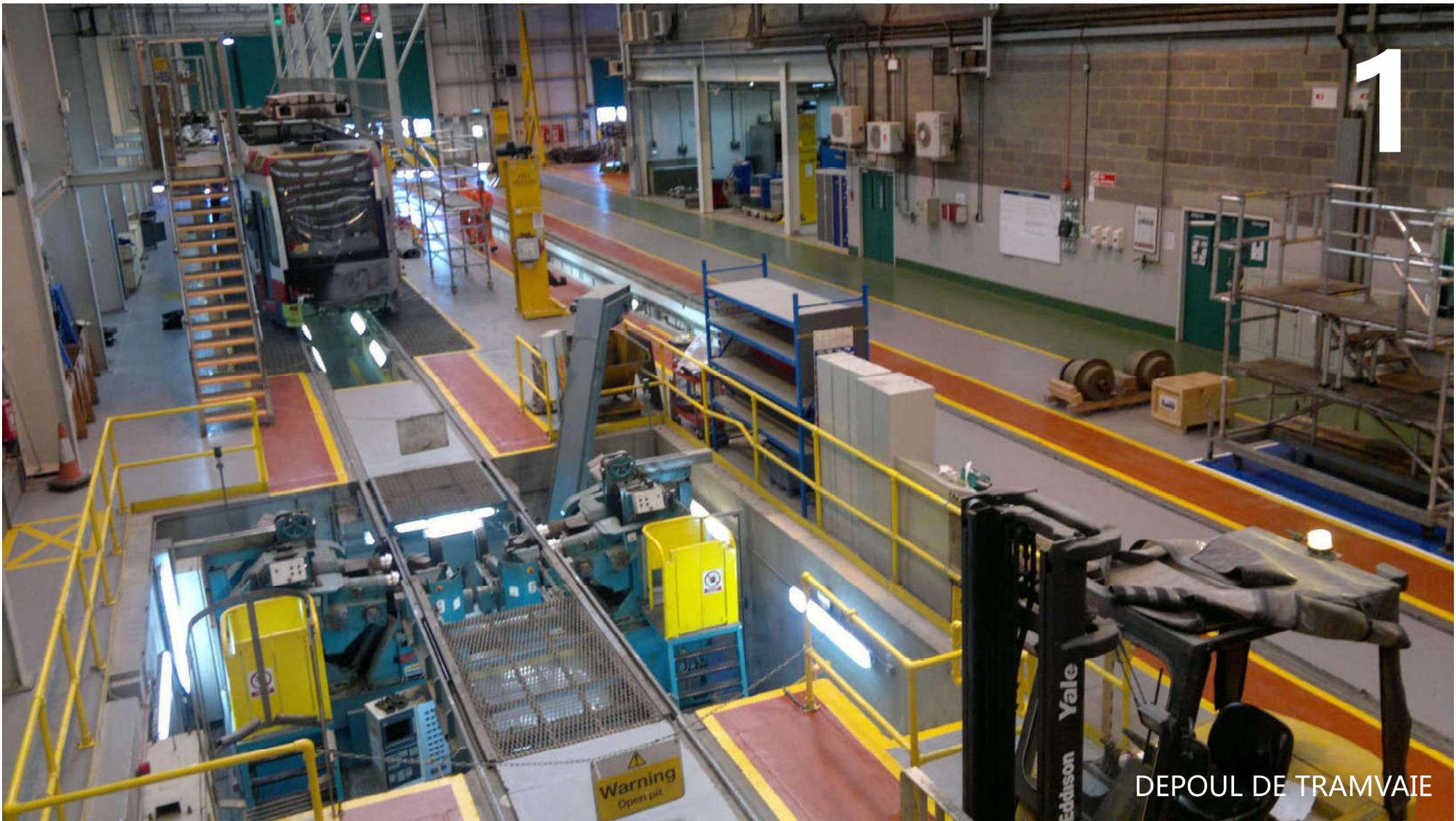


1

DEPOUL DE TRAMVAIE



DEPOUL DE TRAMVAIE



DEPOUL DE TRAMVAIE

2



SUBTRAVERSARE LINII CFR



SUBTRAVERSARE LINII CFR



2

SUBTRAVERSARE LINII CFR



NOD RETEA IN CENTRUL CIVIC



NOD REȚEA ÎN CENTRUL CIVIC



NOD REȚEA ÎN CENTRUL CIVIC

4



LINII IN CENTRUL ISTORIC



LINII IN CENTRUL ISTORIC



LINII IN CENTRUL ISTORIC

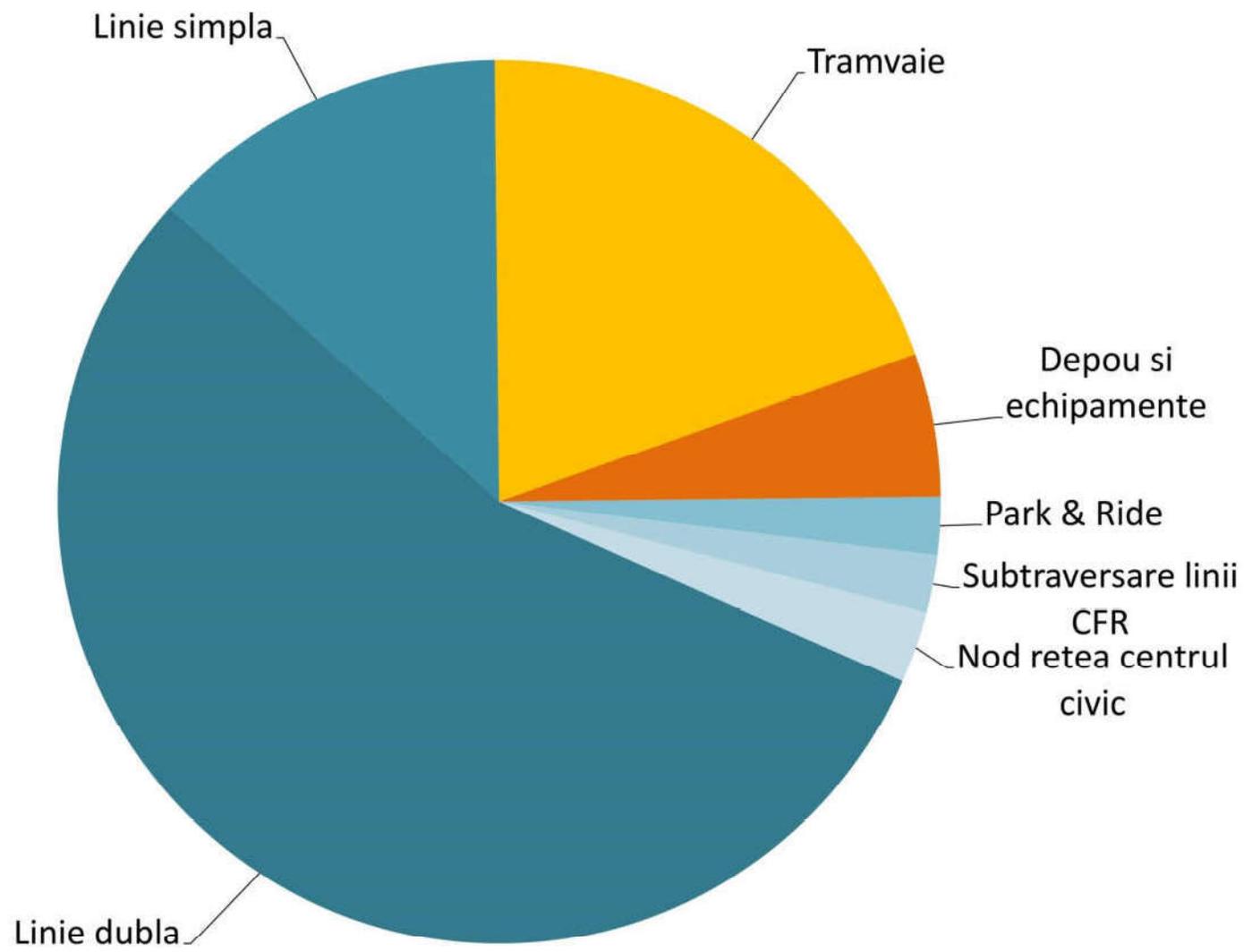
## **COSTUL PROIECTULUI**

---

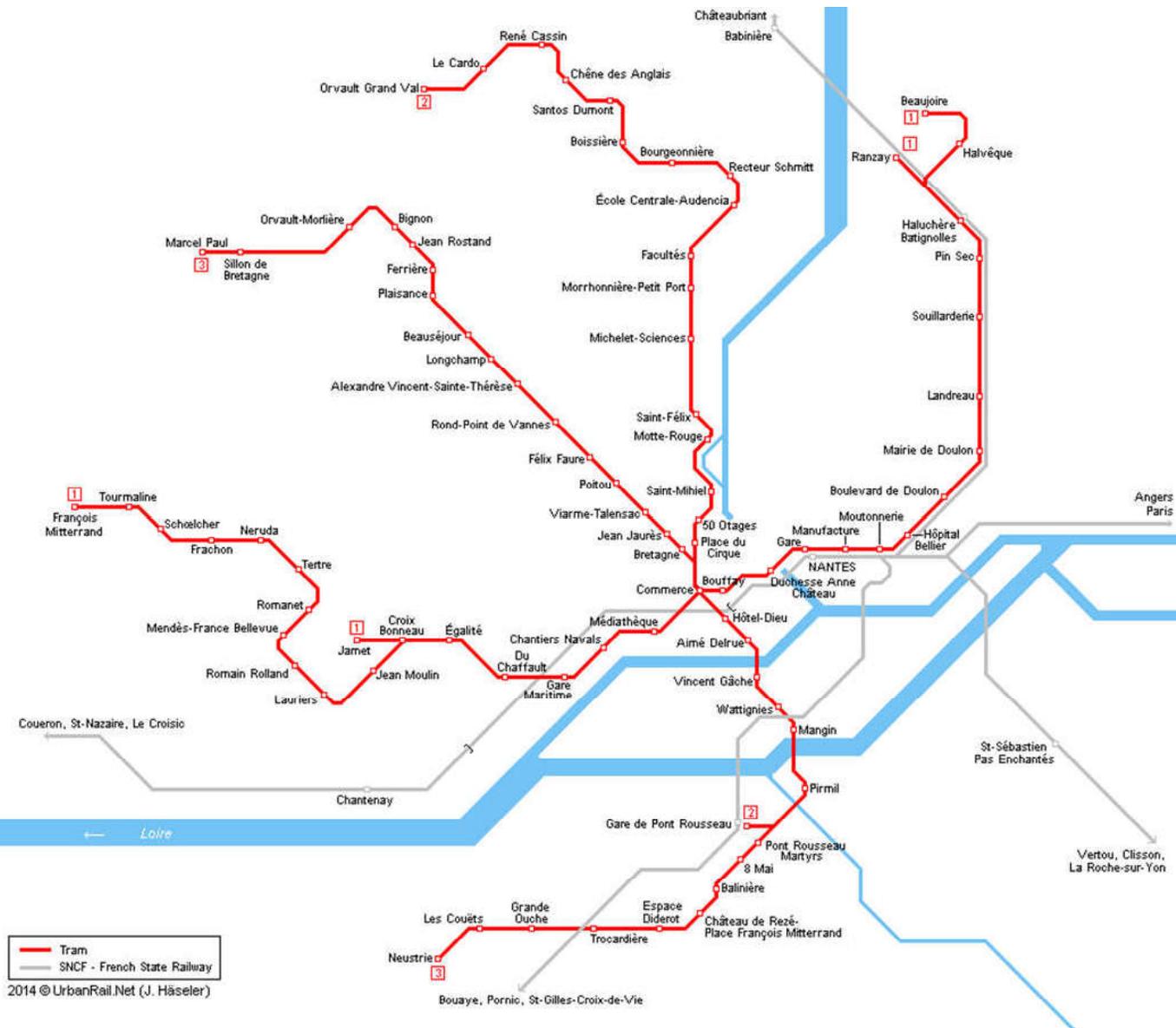
<b>11.6 KM LINIE DUBLA x 9 M EURO / KM</b>	<b>104.4</b>
<b>4.2 KM LINIE SIMPLA x 6 M EURO / KM</b>	<b>25.2</b>
<b>25 TRAMVAIE x 1.5 M EURO / TRAMVAI</b>	<b>37.5</b>
<b>DEPOU+ECHIPAMENTE+VEHICULE TEHNICE</b>	<b>10.0</b>
<b>PARCARI PARK &amp; RIDE</b>	<b>4.0</b>
<b>SUBTRAVERSARE LINII CFR</b>	<b>4.0</b>
<b>NOD RETEA CENTRUL CIVIC</b>	<b>5.0</b>

---

**190.1 M EURO**



# NANTES 1985-





TOTAL : 450.000 MP

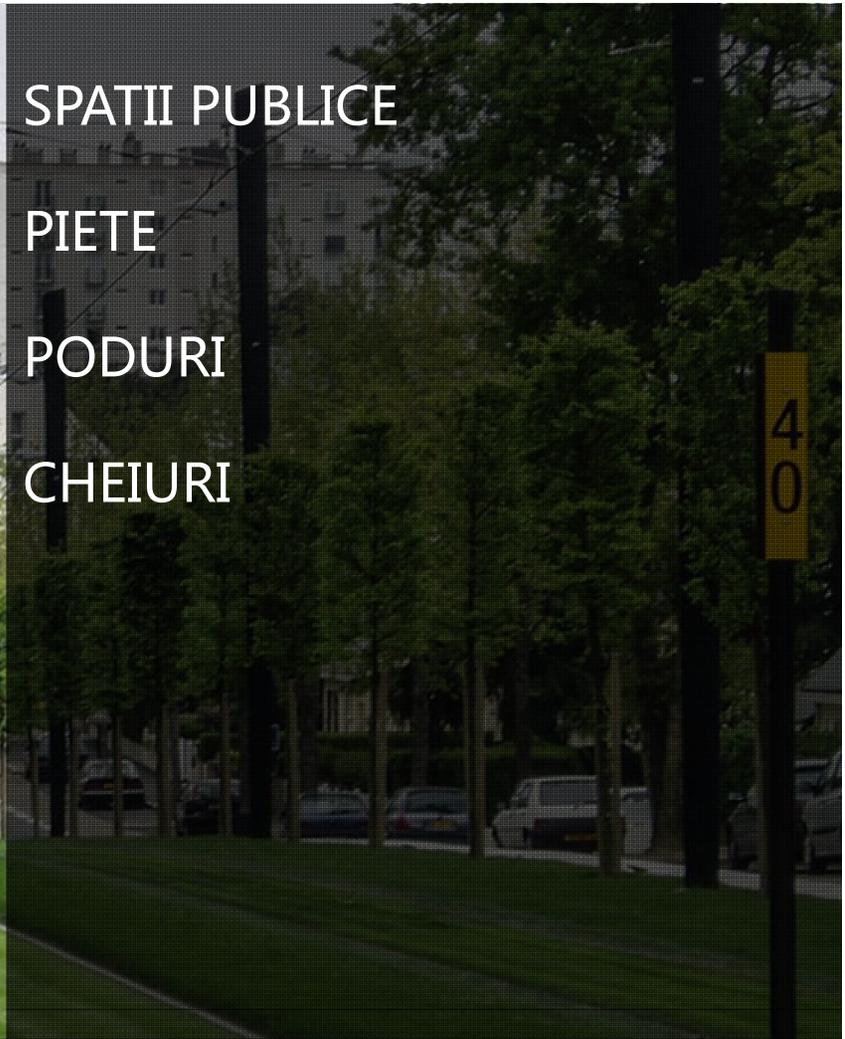
32 ANSAMBLURI DE LOCUINTE

48 CLADIRI DE UTILITATE  
PUBLICA

BIROURI SI MIXED USE

5 ANSAMBLURI COMERCIALE

85 PROIECTE NOI



SPATII PUBLICE

PIETE

PODURI

CHEIURI

**38 PROIECTE ALE MUNICIPALITATII**











