



METRO IN WARSAW

Enhancing the metro network

Jerzy Lejk

*President of the Board, CEO
Warsaw Metro Ltd.*



2012

CONSTRUCTION PLANS OF THE WARSAW METRO

1925 – Warsaw authorities passed a resolution to develop a project of an underground rail

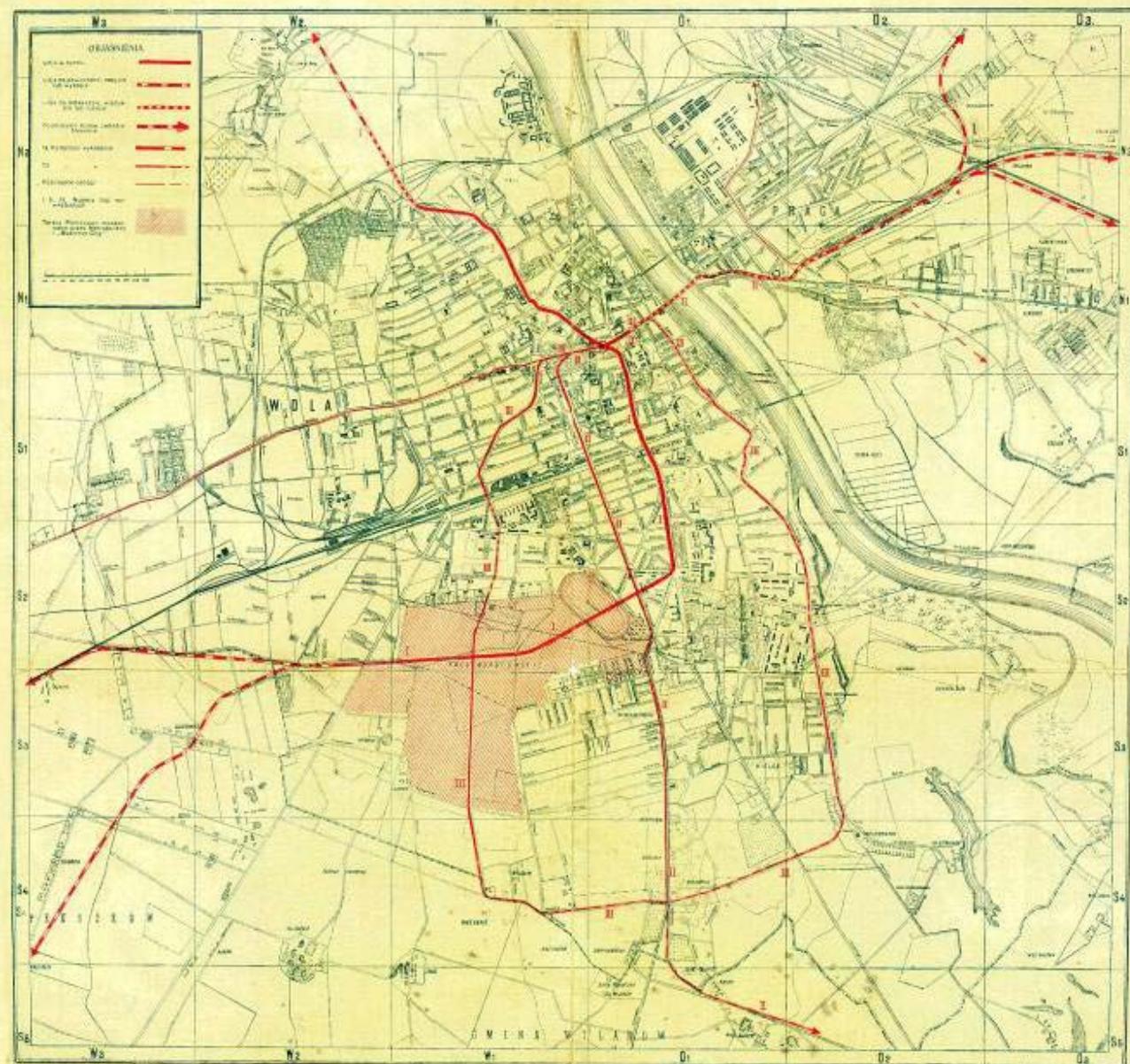
1950 - Polish government passed a resolutions to build metro in Warsaw,

1957 - Construction works
were definitely stopped

1982 – The Cabinet passed a resolution No 266/82 concerning the construction of the metro line 1

Plan Metropolitenu Warszawskiego

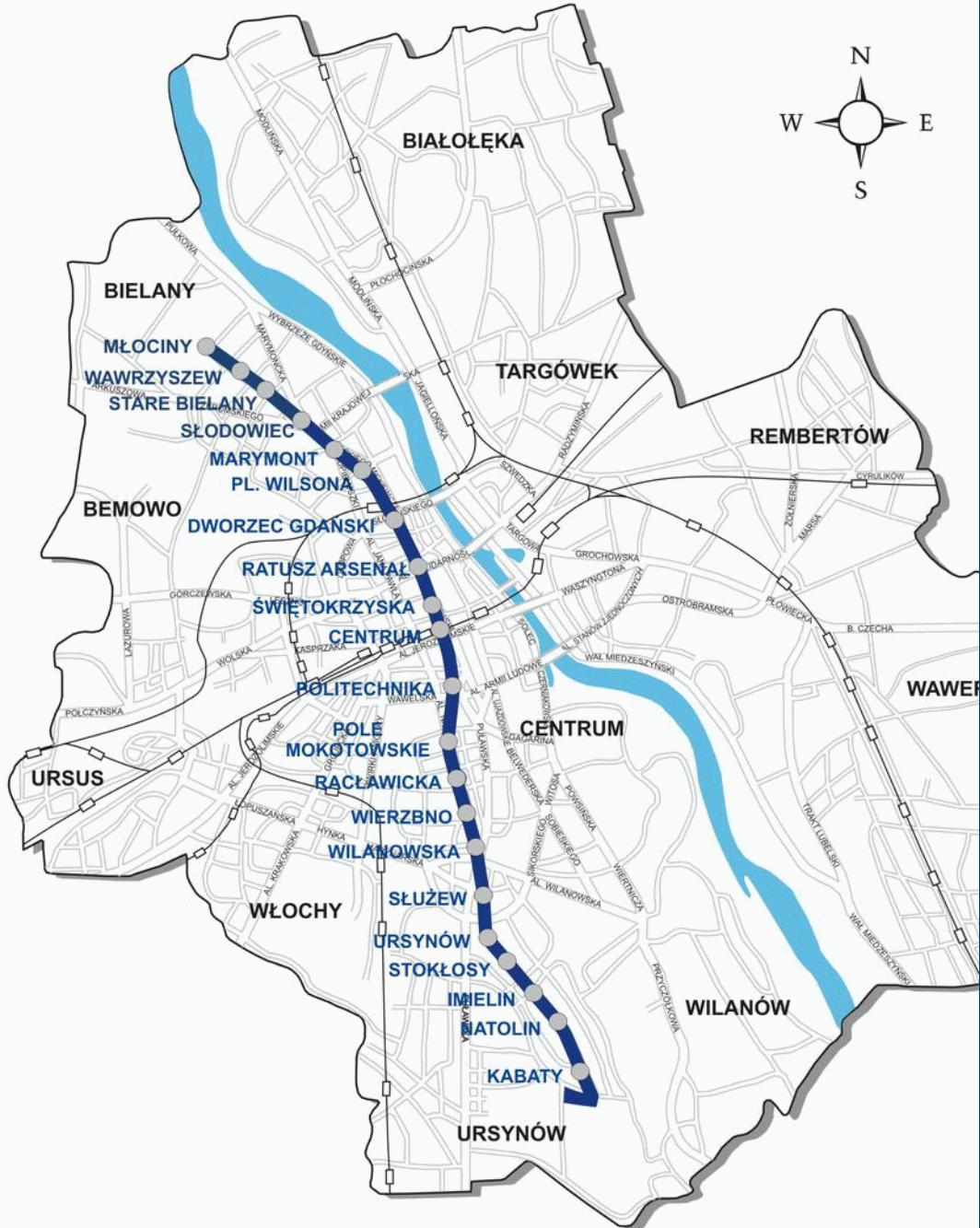
projektowany według zasad racjonalnej organizacji



METRO IN WARSAW

Line 1

- *Length – 22,7 km*
- *Number of stations – 21*
- *Number of passengers:
approx. 500 000 / day*





WARSAW METRO Ltd.

METRO LINE 1 – KABATY STATION

17 YEARS AGO AND NOW

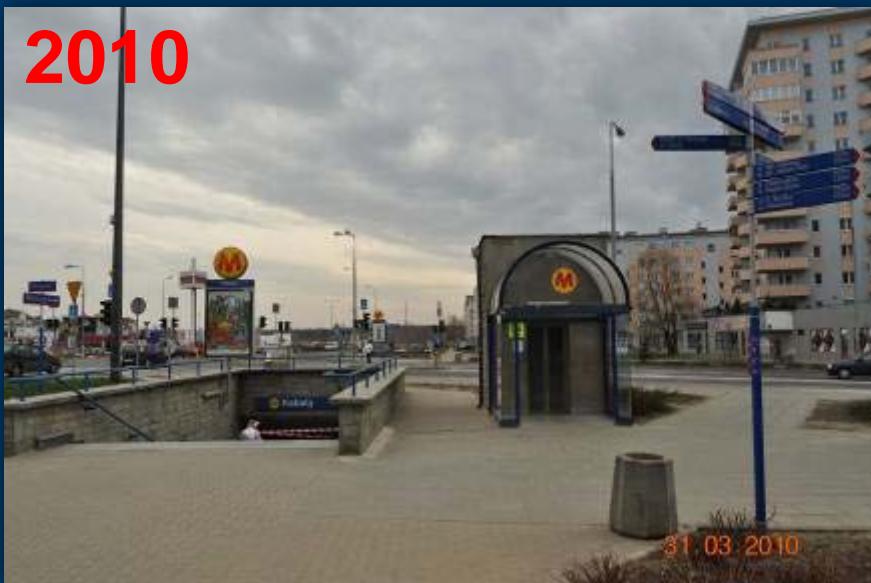
1995



2003



2010



2010





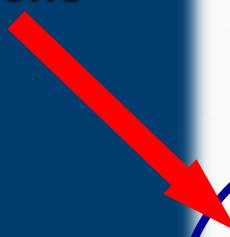
1. Park & Ride - Parking lot for 1010 cars, 70 bikes
2. Bus loop - 8 platforms
- 3., 4. Tram loop - 8 platforms
5. Connection (with shops)
- 6., 8. Metro station „Młociny” entrance
7. Patio



number of stations – **27**; length – **approx. 32 km**

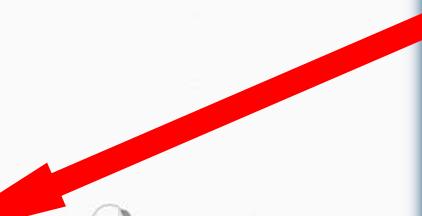
Western Section (D)

8 stations



East-Northern Section (A)

6 stations



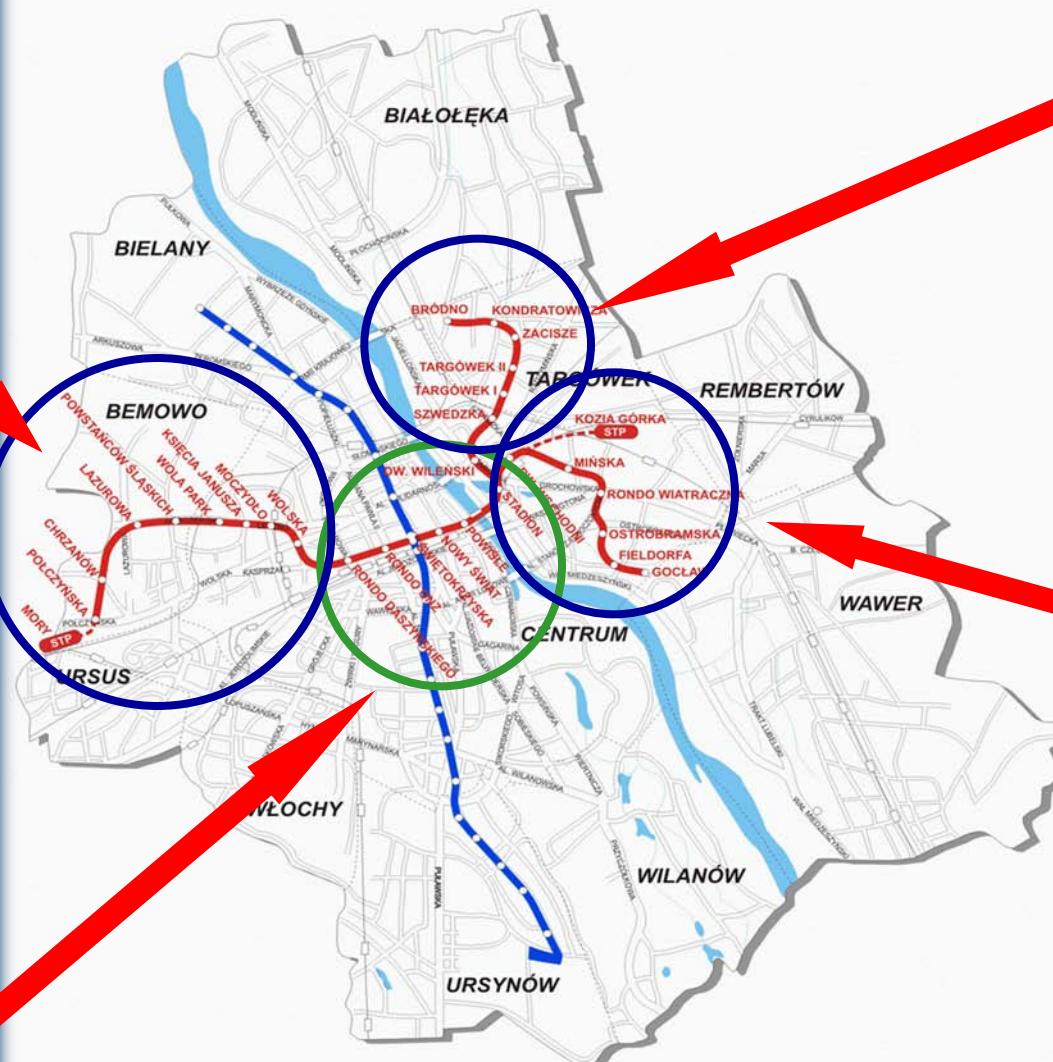
Central Section (C)

7 stations

(under construction)

East-Southern Section (B)

6 stations



Line 1

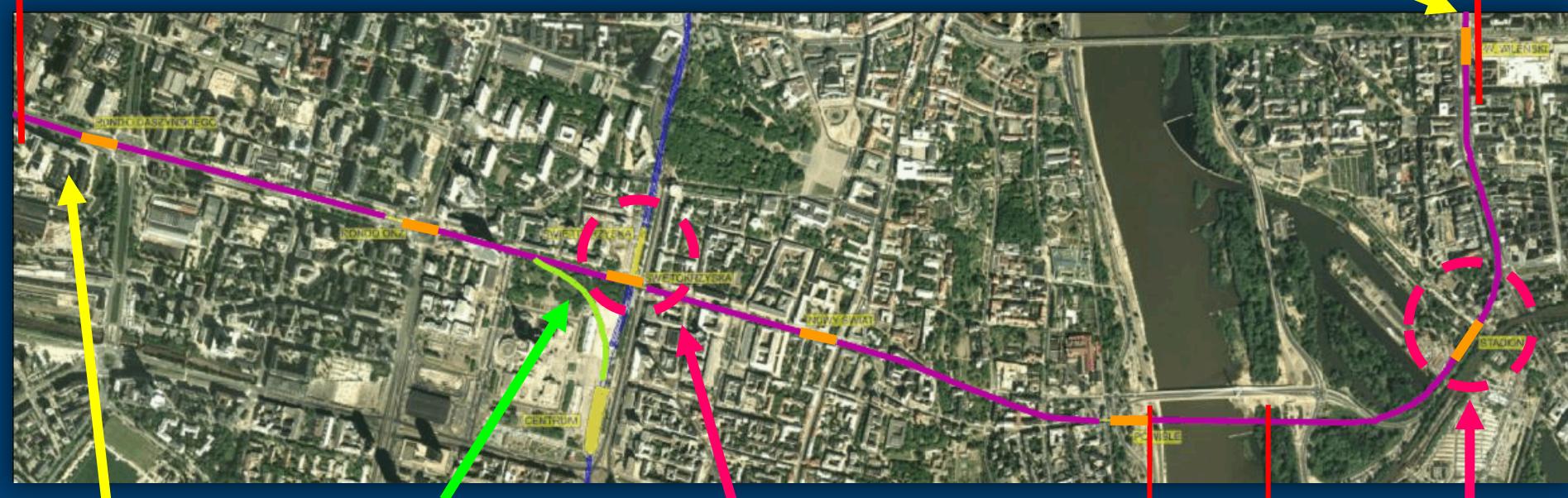
Line 2 – planned



Length: 6.5 km

Number of stations: 7

Train
turnaround
chamber



Train
turnaround
chamber

Link tunnel
between
Line 1 & 2

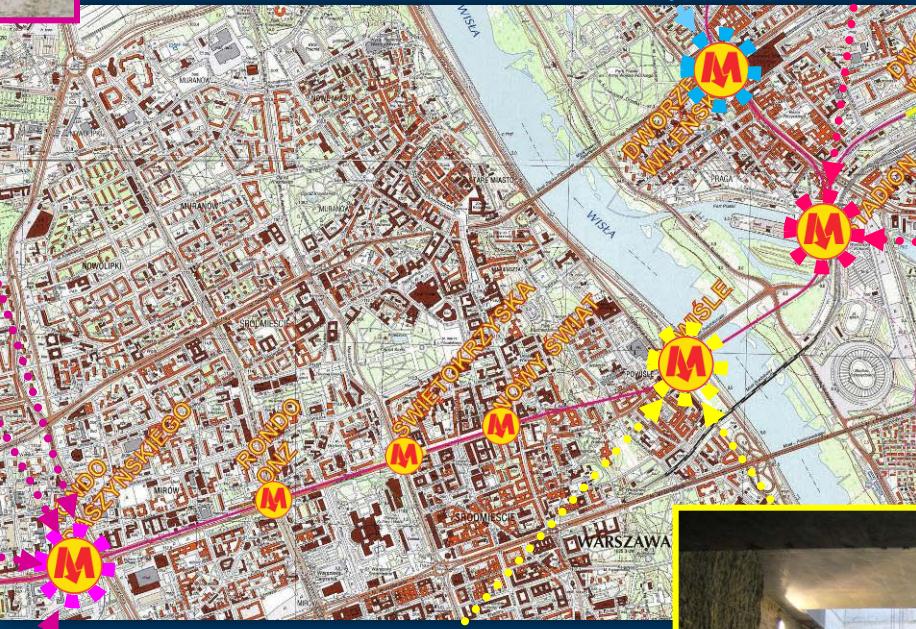
Interchange
station

Tunnel under
the Vistula river
– 600m long

„Stadion”
Station



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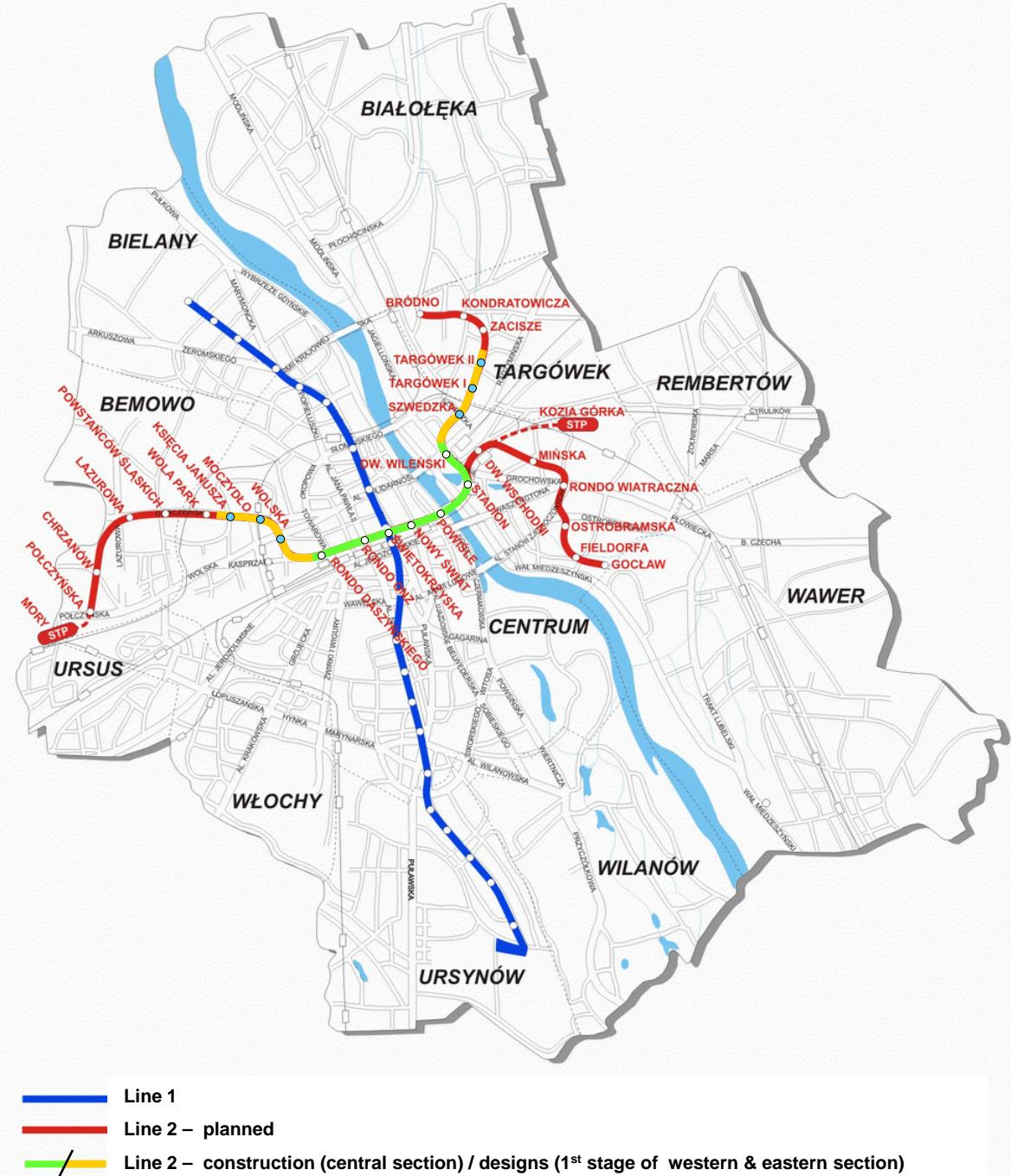
DEVELOPMENT OF METRO LINE 2

Line 2 – western section – 1st stage

- Length – 3.44 km
- Number of stations – 3
- Number of tunnels – 3

Line 2 – eastern section – 1st stage

- Length – 3.14 km
- Number of stations – 3
- Number of tunnels – 3



Competition for conceptual designs

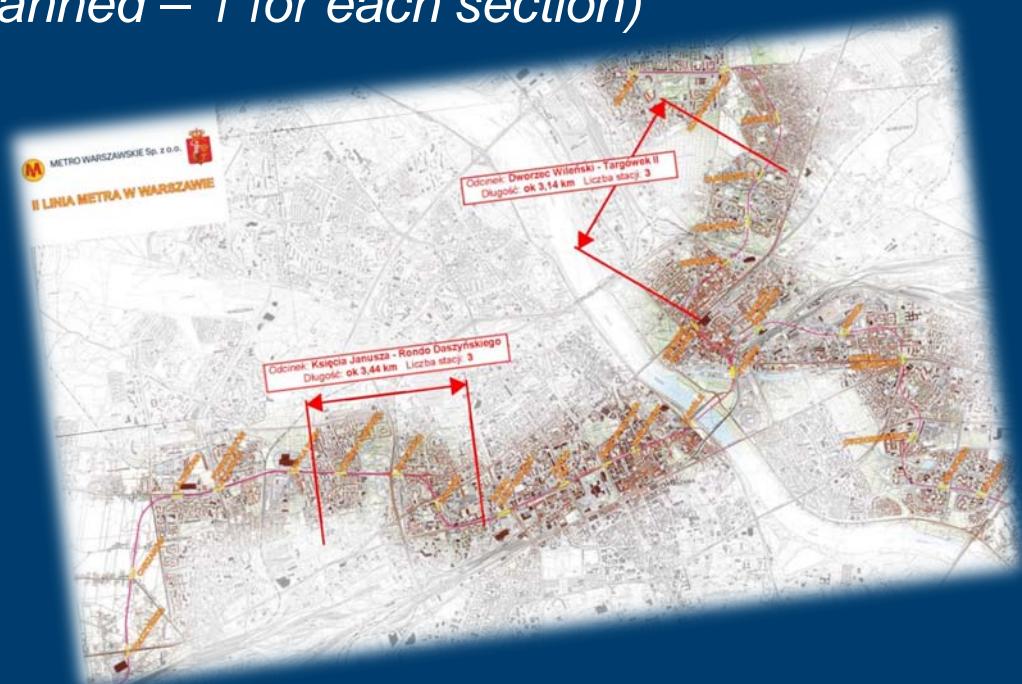
- November, 2011
- 4th January, 2012

Announcement of the competition
**The deadline for submitting applications
for admission to the competition**

1st prize: a contract for construction project for 1 of 2 sections
(*2 separate contracts are planned – 1 for each section*)

Number of competitors: 23

*companies are from:
UK, Spain, France,
Germany, Finland,
Czech Rep. and Poland*



- social consultation in Warsaw Metro head office
- billboards
- TV advertisements
- meetings with inhabitants
- information boards along the construction site
- local newspapers
- special phone line
- special e-mail
- web pages of local government & Warsaw Metro
- free newsletter distributed to inhabitants
- information leaflets
- information point

Billboard used on Line 1 - example



- Construction?
- Yes, I can accept, but not in my neighbourhood!

Basic data:

- Train length: 120m (6 cars)
- Power supply: 750V DC (3rd rail)
- Max speed: 90 km/h
- Max capacity of the train (6 cars):
approx. 1500 passengers

**Series „81”
(new type)****7 trains
42 cars**

ca. 93 000 km / train / year

**Alstom
Metropolis****18 trains
108 cars**

ca. 128 000 km / train / year

Series „81”**15 trains
90 cars**

ca. 93 000 km / train / year

TOTAL**40 trains
240 cars****Total distance in year 2010 covered by 40 trains: 4 331 514.2 kilometres**

Tender for the delivery of 35 trains for Line 2 & 1

- ⌚ 29th April, 2010 **Announcement of the tender**
- ⌚ 2nd February, 2011 **Signing of the agreement with the winner of the tender (SIEMENS - NEWAG)**
value of the contract: 1.069 billion zł



Schedule of supply:

- ⌚ December of 2012 **Delivery of the first 2 trains**
- ⌚ 2nd quarter of 2013 **Delivery of the first 10 trains**
- ⌚ 4th quarter of 2013 **Completion of delivery**





First of the ordered 35 trains under construction



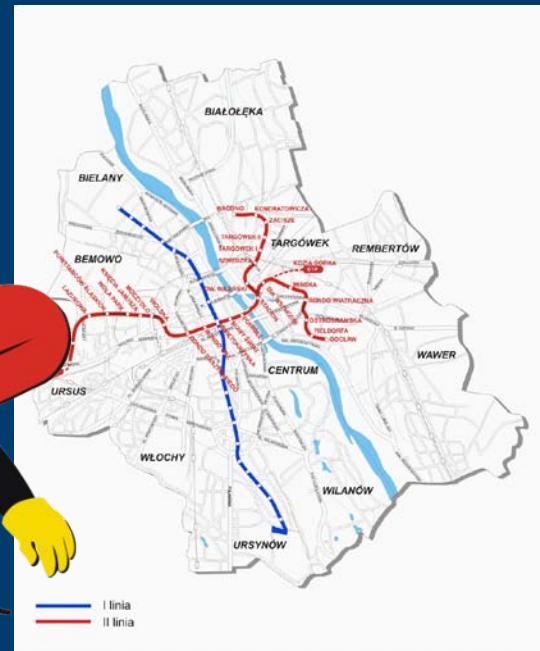
Vienna, 25th February 2012





WARSAW METRO Ltd.

YEAR 2013 / 2014



New
rolling stock

New
metro line



WARSAW METRO Ltd.

THANK YOU FOR YOUR ATTENTION



Jerzy Lejk
President of the Board
CEO