

2023 URBAN RAIL VISION OF ISTANBUL

ÖMER YILDIZ

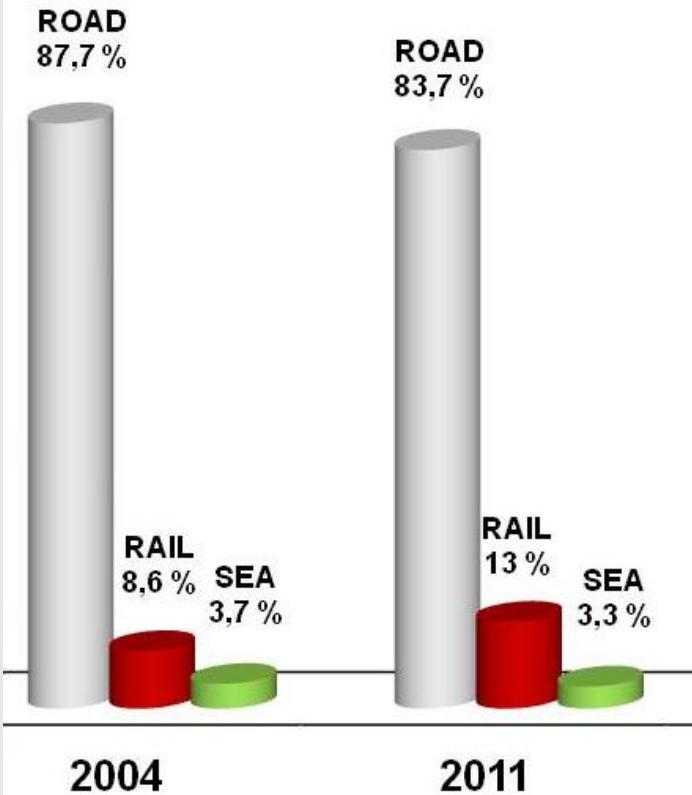
ISTANBUL ULAŞIM AŞ

METRORAIL 2012

MARCH 22, 2012



Transportation Modes in Istanbul



ROAD SYSTEM 83,7 %

- Private Car
- İETT and Private Buses
- Private Bus
- Minibus
- Minibus-Taxi
- Taxi
- Company Buses



RAIL SYSTEM 13 %

- TCDD
- İETT
- İstanbul Ulaşım



WATERBORNE 3,3 %

- Şehir Hatları
- Private Boats





Transportation Statistics (1)



13.2

MILLION

POPULATION



27

MILLION

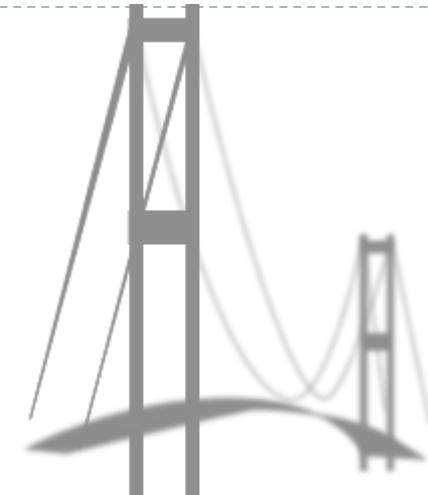
DAILY
TRIPS



25.000

KM

TRANSPORT
NETWORK



1.3

MILLION

DAILY TRIPS
BETWEEN
CONTINENTS



Transportation Statistics (2)



2.5

MILLION
VEHICLES



1.8

MILLION
VEHICLE
ON THE
ROAD
EACH DAY



600

NEW
VEHICLES
ADDED TO
ROADS
EACH DAY



49

MIN
AVERAGE
TRIP TIME



133

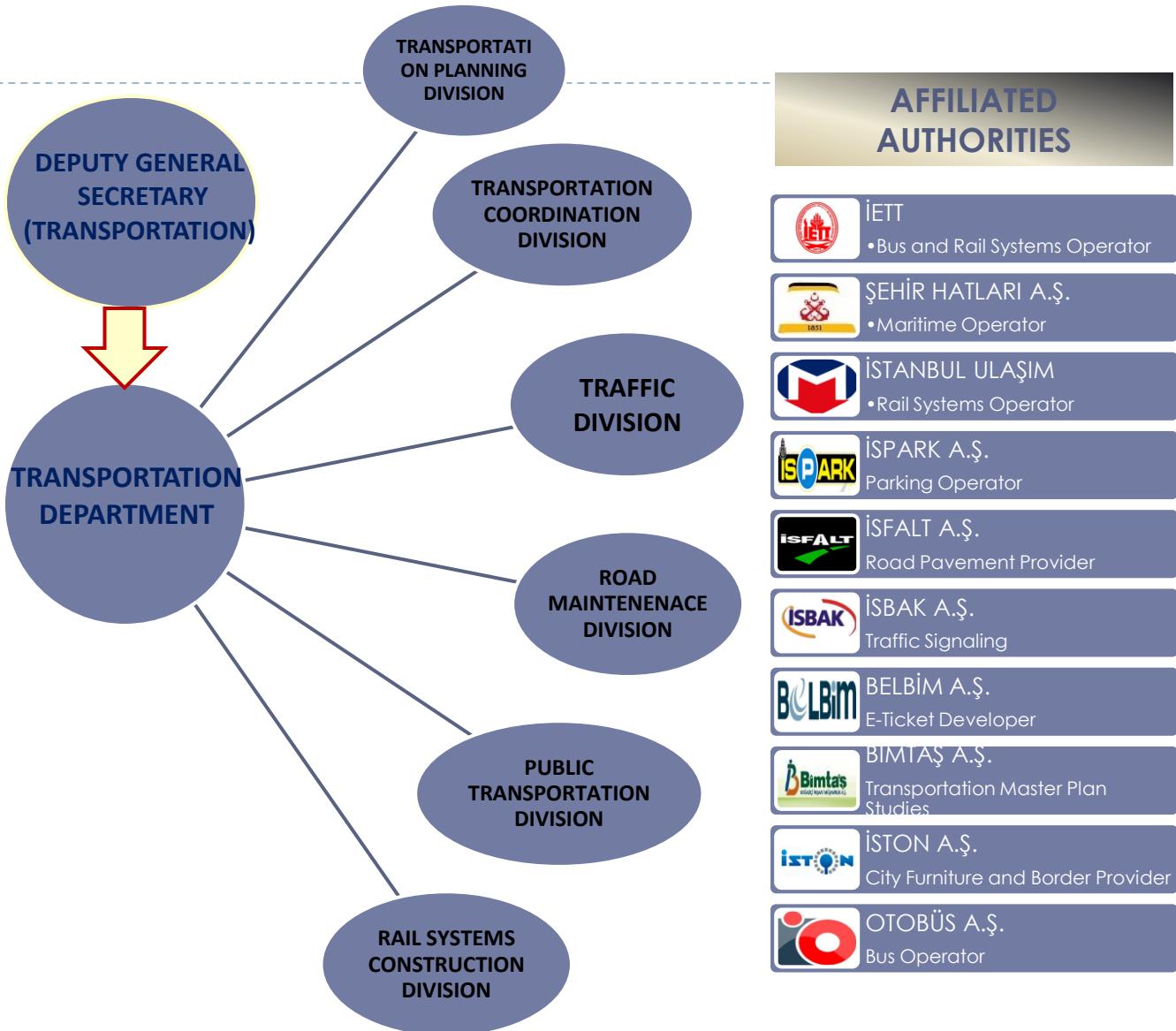
CARS PER
1000
PEOPLE



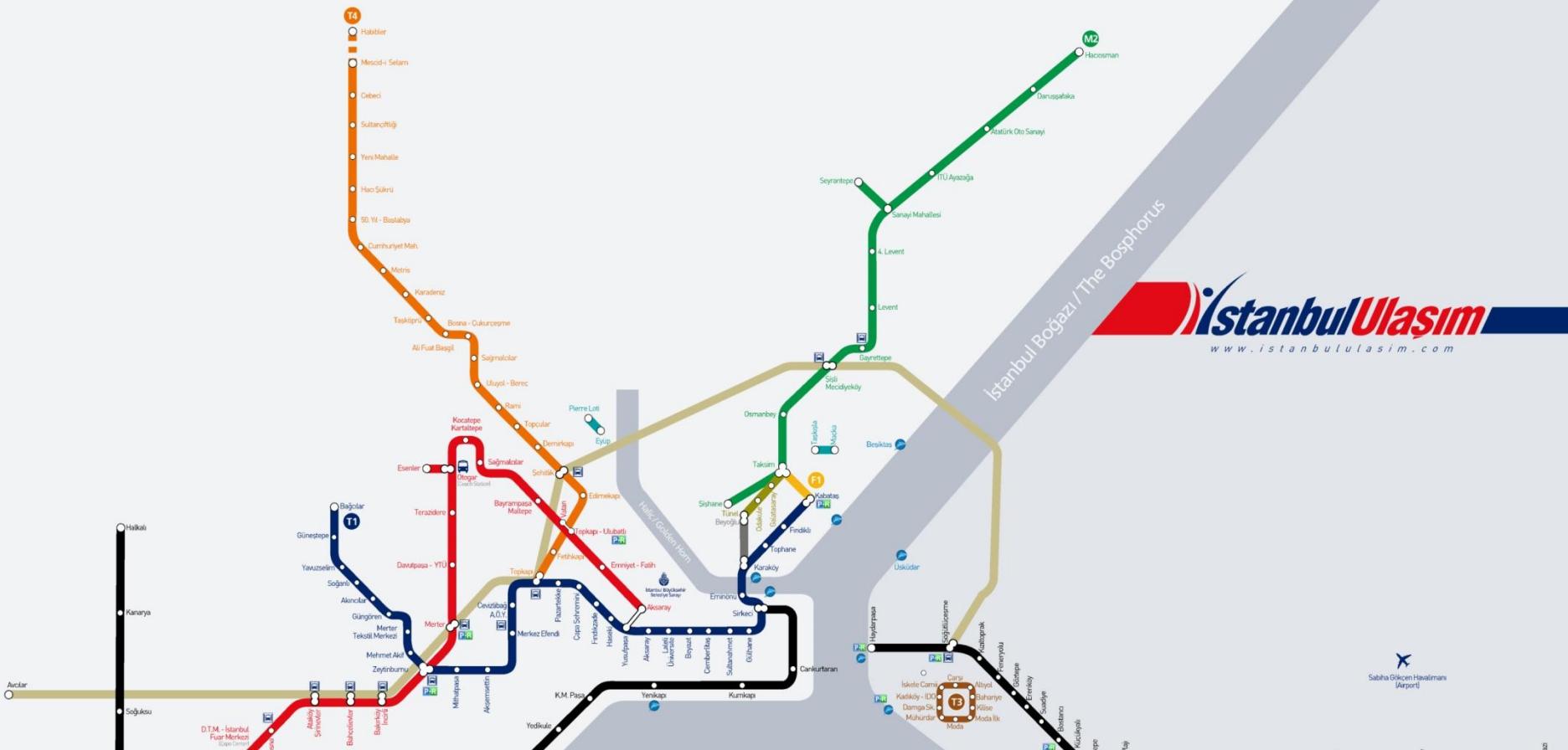
Governance Structure: Transportation Units

Transportation Authorities at IMM;

**1 Deputy Secretary-General;
1 Department Head;
6 Division Managers;
8 IMM Affiliates and
1 Bus Authority**



URBAN RAILWAY NETWORK OF ISTANBUL: CURRENT SITUATION



İşlememizdeki Hattar / Lines Operated

- M1 Akşaray - Ataşehir Havalimanı (Airport) Metro / Metro
- M2 Sisane - Hacıosman Metro / Metro
- T1 Zeytinburnu - Kabataş Tramway / Tram
- T3 Kadıköy - Moda Tramway / Tram

Diger Ulaşım Hattları / Other transportation lines

- T4 Habibler - Topkapı Tramway / Tram
- F1 Taksim - Kabataş Funicular / Funicular
- M3 Maka - Taksim Teleferik / Cableway
- E1 Piyerli Teleférici / Cableway
- T5 Kadıköy - Moda Tramway / Tram

İşaretter / Signs

- Metrobüs / Metrobus
- Karaköy - Beyoğlu Tünel / Tunnel
- Taksim - Tünel Nostalgik Tramway / Tram
- Sirkec - Halkalı Banliyö / Suburban
- Haydarpaşa - Gebze Banliyö / Suburban
- İstasyon / Durak Station / Stop
- İlk/Son İstasyon First / Last Station
- Aktarma İstasyonu / Interchange Station
- Aktarma İstasyonu / Interchange Station
- Park & Ride Noktaları / Park and Ride Points

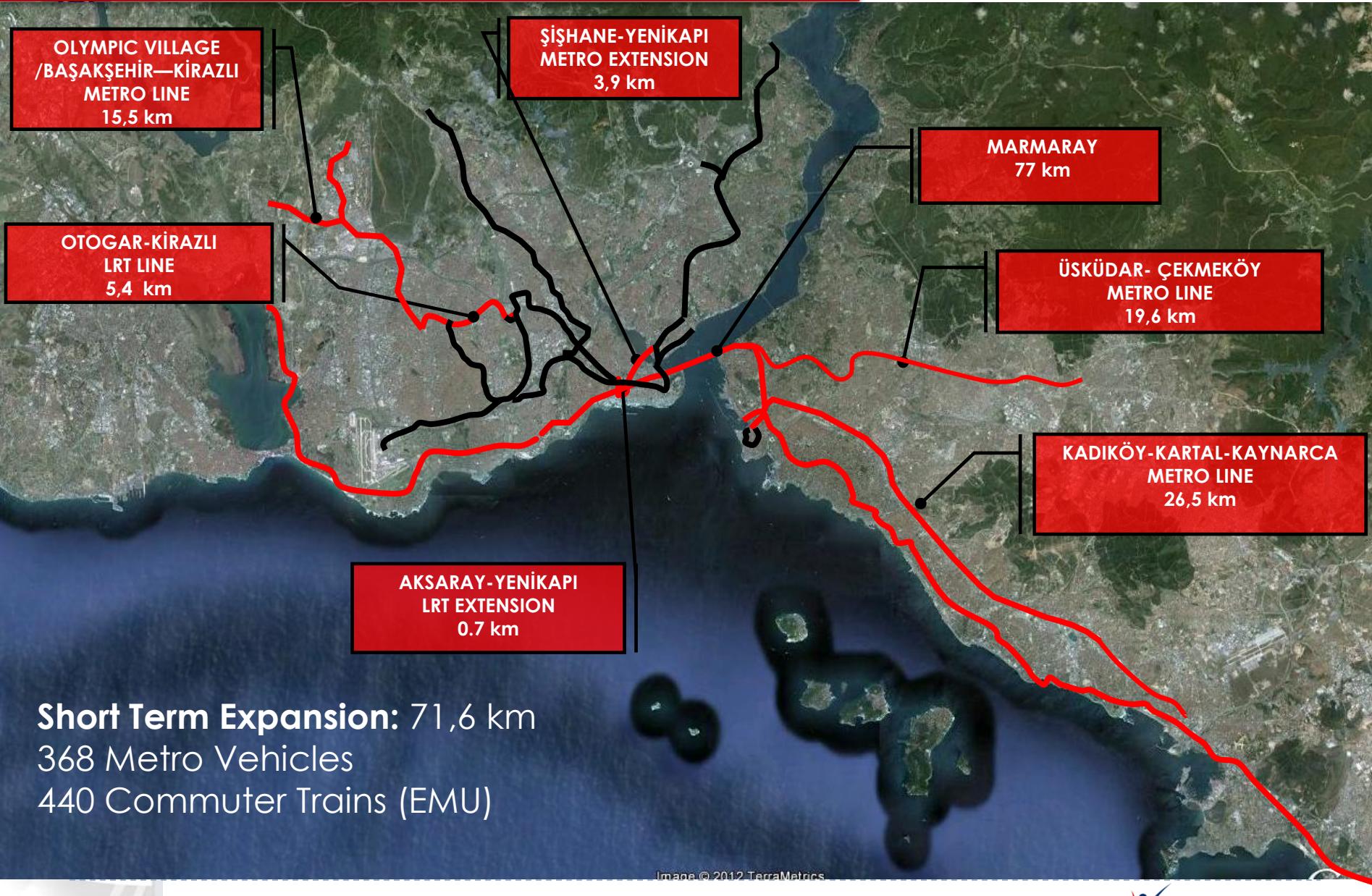
Bilgilendirme / Information

- Havalimanı / Airport
- Otogar / Coach Station
- İDO İskeli / Ferry
- Metrobus / Metrobus
- Sefer saatlerini İstanbul Ulaşım A.S. cep haritalarından ya da istasyonlardaki info panolarından öğrenebilirsiniz.
- You can get information about timetable on pocket maps of İstanbul Ulaşım AS or info panels at the stations.

İletişim / Contact

7 Gün 24 Saat Hizmet
İstanbul Ulaşım Yolu Hizmetleri Hattı
444 00 88 | 7588
Kısa Mesaj Servisi
Tüm dilek, şikayet ve önerileriniz için bize ulaşabilirsiniz.

UNDER CONSTRUCTION (2012-2015)



KADIKÖY-KARTAL-KAYNARCA METRO LINE



LENGTH : 26,5 KM (ALL UNDERGROUND)

OF STATIONS: 16

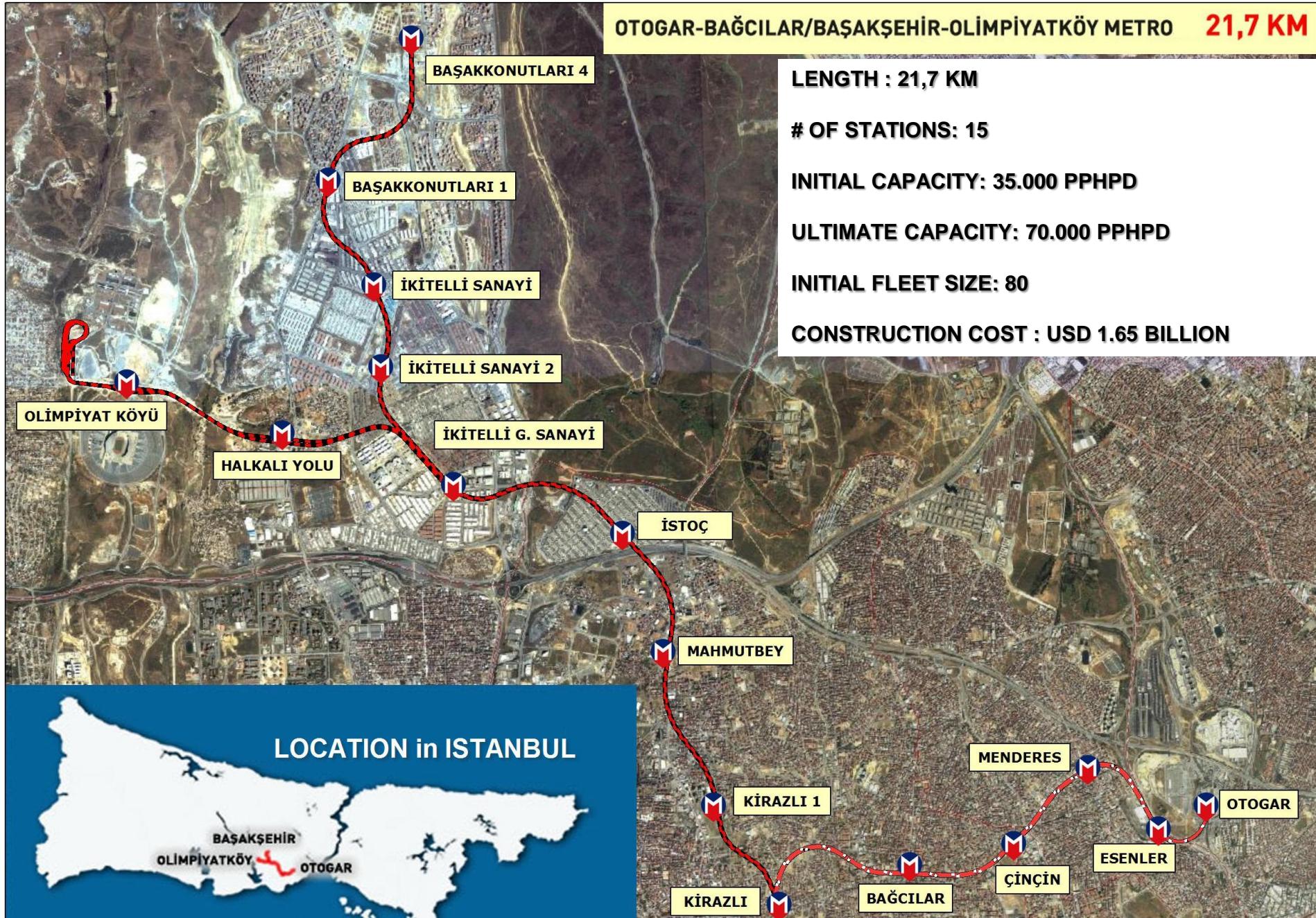
INITIAL CAPACITY: 35.000 PPHPD

ULTIMATE CAPACITY: 70.000 PPHPD

INITIAL FLEET SIZE: 144

CONSTRUCTION COST: USD 1.6 BILLION







MARMARAY: THE WORLD'S DEEPEST IMMERSED TUBE TUNNEL

INTEGRATION WITH ISTANBUL'S NETWORK



MARMARAY IN NUMBERS

Length	Tube Tunnel: 13,5 Km
	Total: 77 Km
Passenger Capacity	70.000 pphpD
Depth of Immersion	56 m.
Total Cost	US\$ 2,8 Billion





MARMARAY PROJECT

**Marmaray will be integrated with
Istanbul's rail system at 10 points**



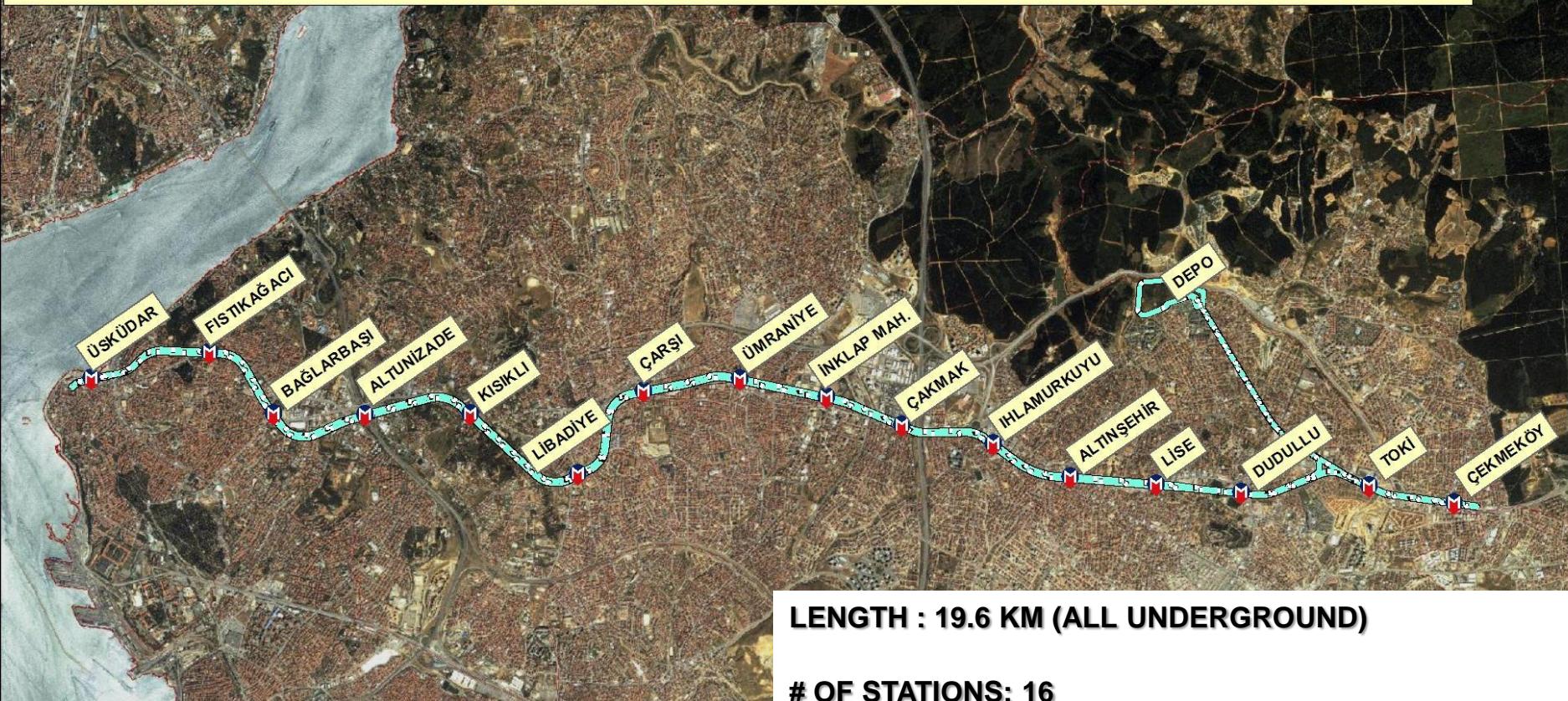
Marmaray Excavations



SHIP WRECK AT YENIKAPI



ÜSKÜDAR-ÜMRANIYE-ÇEKMEKÖY-SANCAKTEPE METRO LINE



LENGTH : 19.6 KM (ALL UNDERGROUND)

OF STATIONS: 16

INITIAL CAPACITY: 36.000 PPHPD

ULTIMATE CAPACITY: 55.000 PPHPD

INITIAL FLEET SIZE: 150

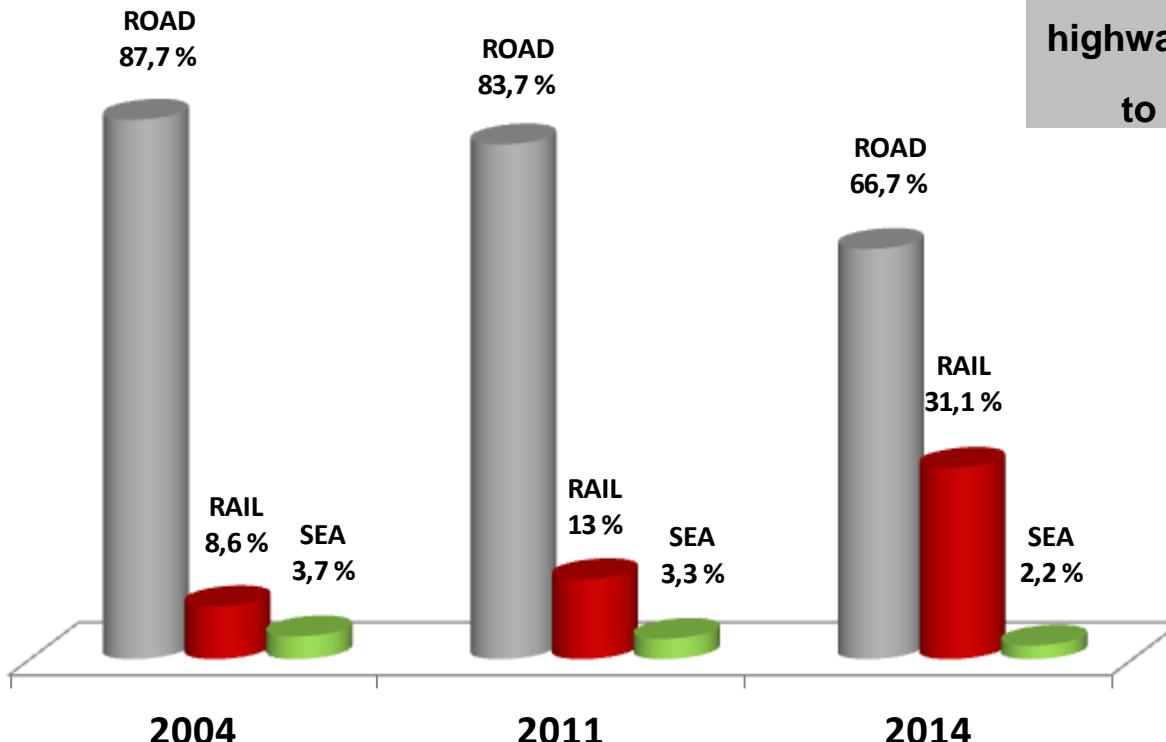
CONSTRUCTION COST: € 563 MILLION





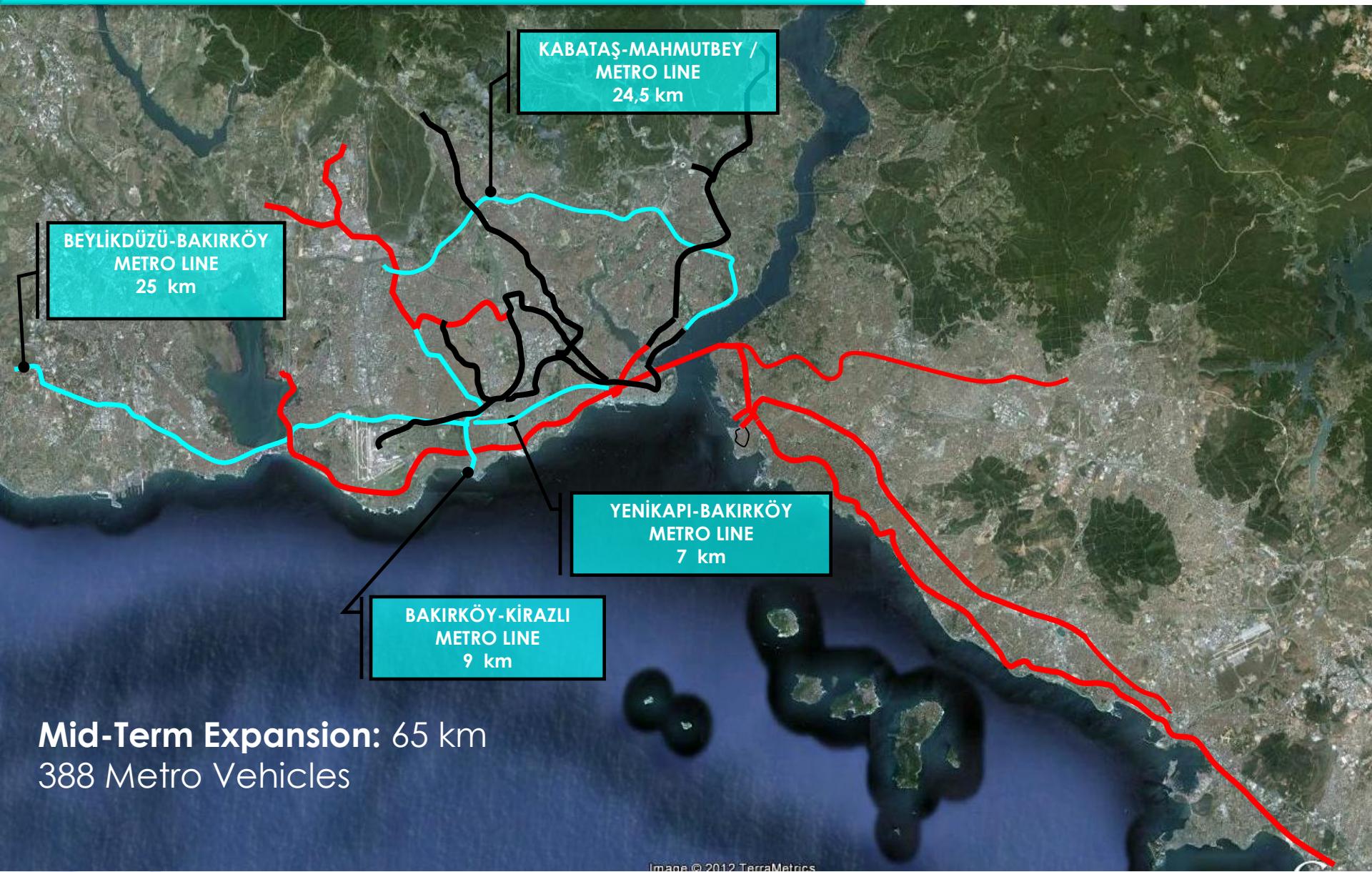
SHORT TERM EXPANSION RESULTS

PERCENTAGE OF PUBLIC TRANSPORTATION TRIPS



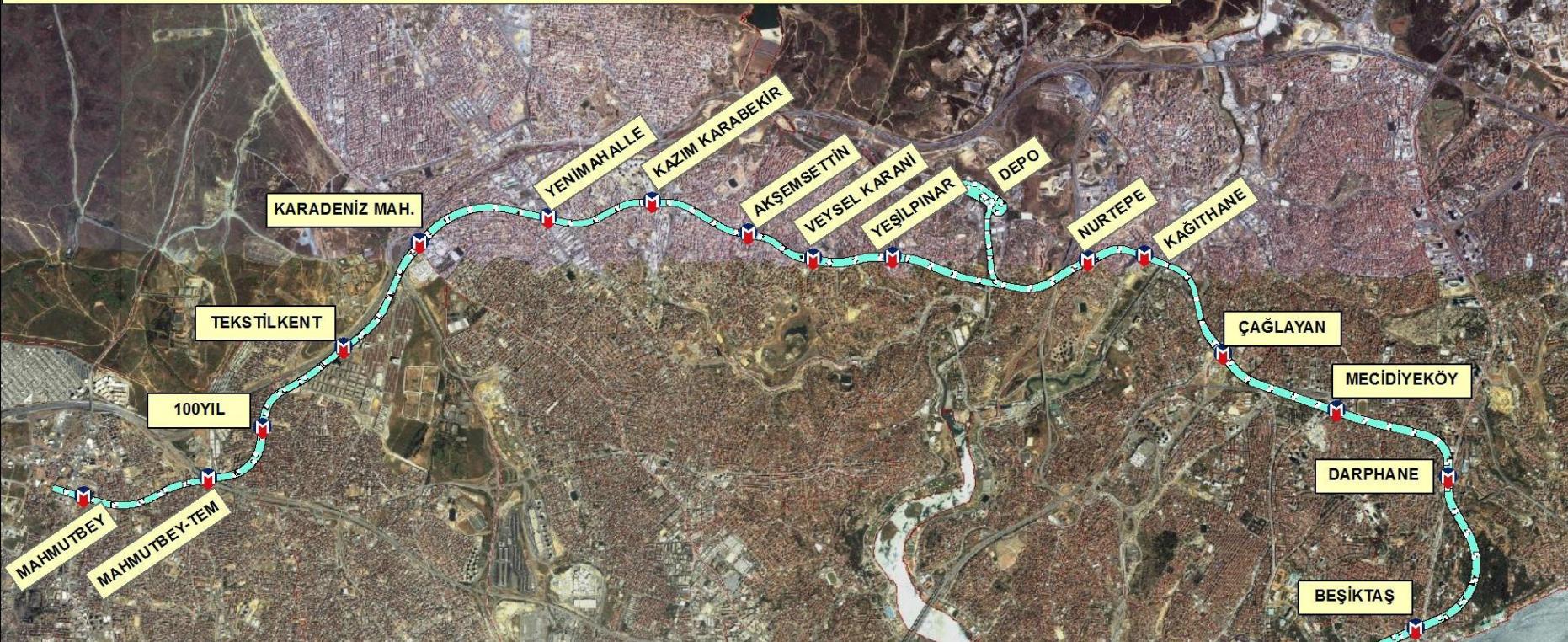
Share of rail-based systems will increase to **31%** and that of highways will decrease to **66%** in 2014

TENDER PHASE (2012-2018)



Mid-Term Expansion: 65 km
388 Metro Vehicles

KABATAŞ-MAHMUTBEY METRO LINE



LOCATION in ISTANBUL

LENGTH: 24.5 KM

OF STATIONS: 18

INITIAL CAPACITY: 30.000 PPHPD

ULTIMATE CAPACITY: 65.000 PPHPD

INITIAL FLEET SIZE: 176 VEHICLES

FINANCING METHOD: BOT

KABATAŞ

BAKIRKÖY-BEYLİKDÜZÜ METRO LINE



LENGTH : 25 KM (ALL UNDERGROUND)

OF STATIONS: 19

**INITIAL CAPACITY: 24.000 PPHPD
ULTIMATE CAPACITY: 40.000 PPHPD**

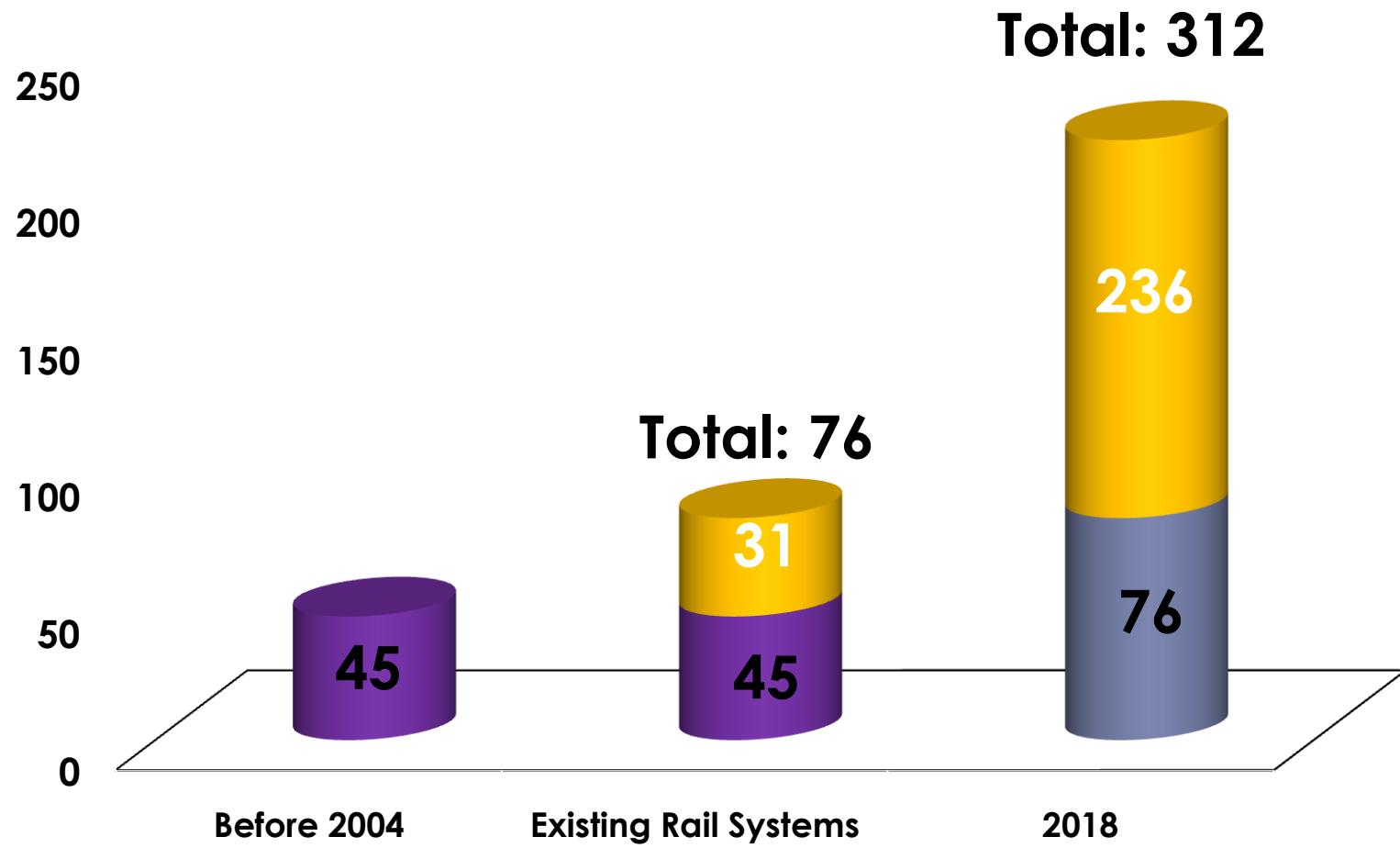
INITIAL FLEET SIZE: 120 VEHICLES

FINANCING METHOD: CONSTRUCTION TENDER





Increase in Railway Systems (up to 2018)



FINAL NETWORK (2023)



Total Length: 641 km

943 Metro Vehicles

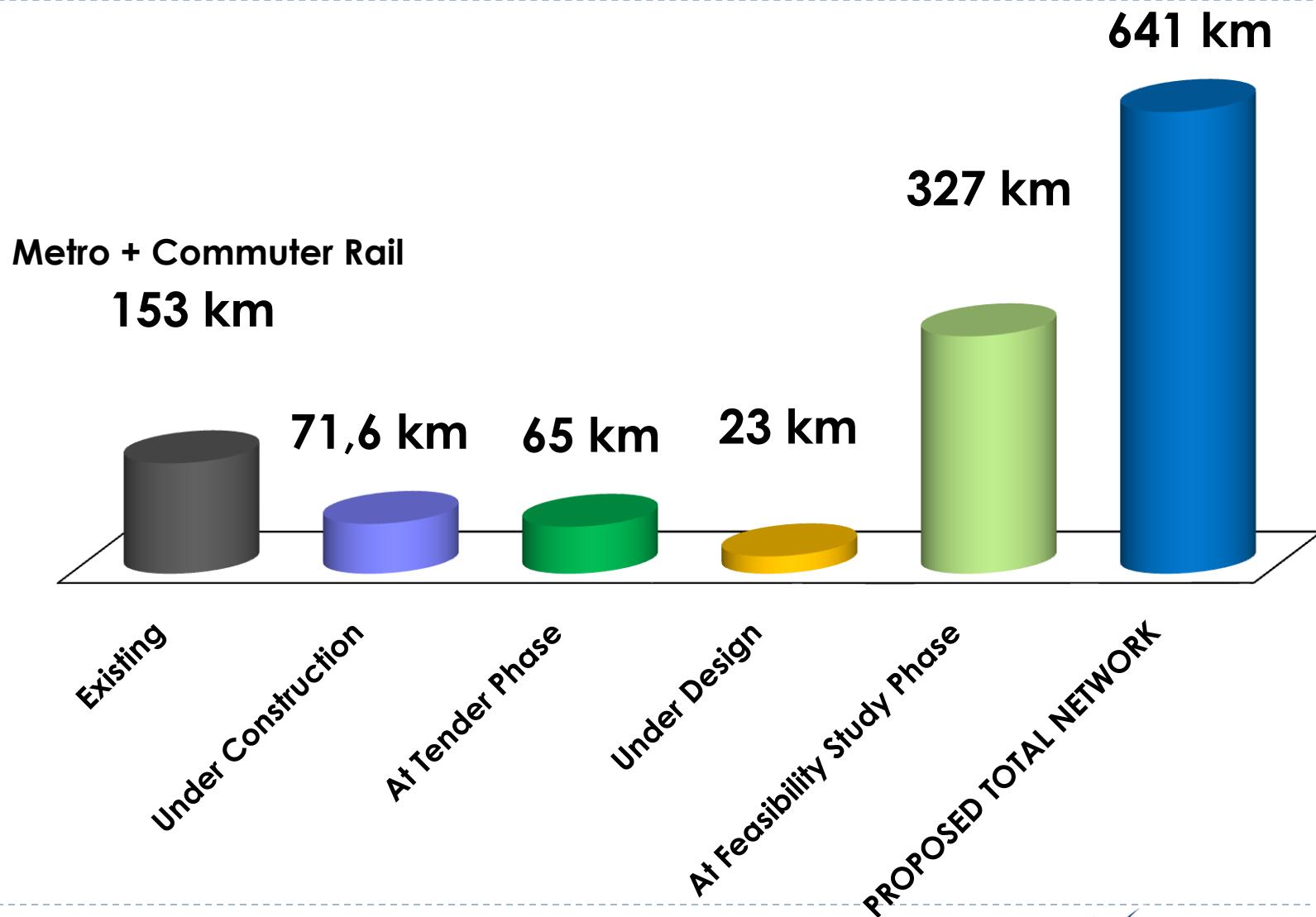
120 Tram Cars

46 Monorail Vehicles

148 Commuter Trains (EMU)



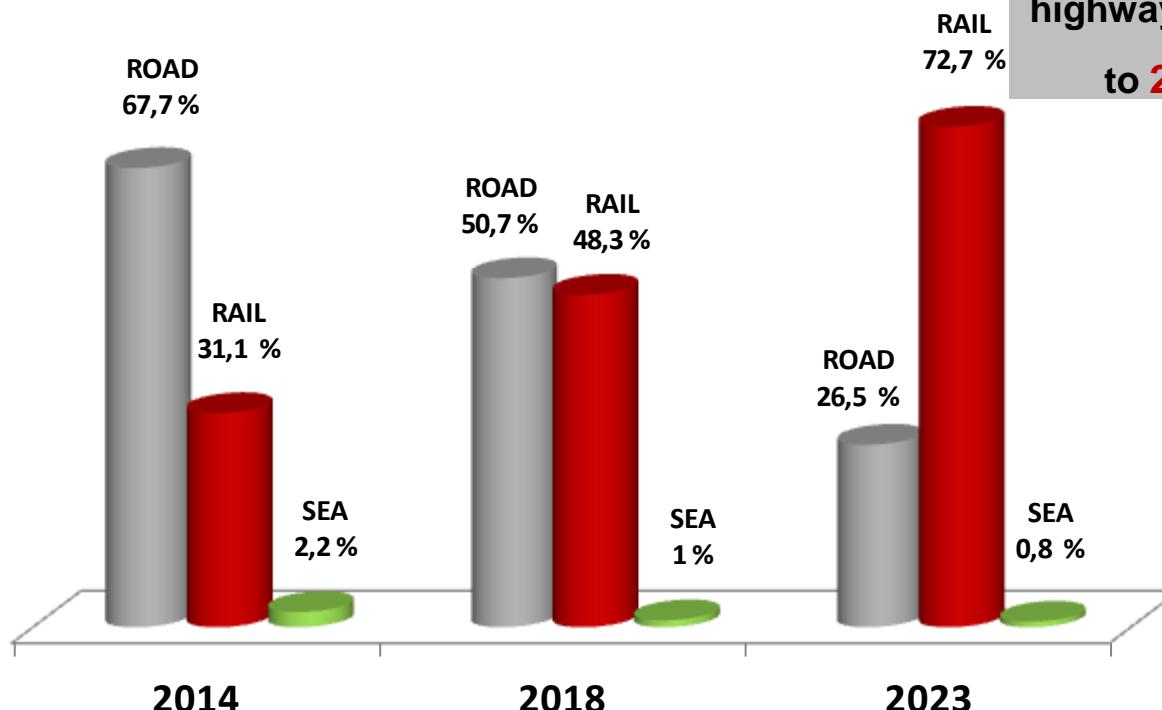
Increase in Railway Systems (up to 2023)





LONG TERM EXPANSION RESULTS (2023)

PERCENTAGE OF PUBLIC TRANSPORTATION TRIPS



Share of rail-based systems will increase to **72%** and that of highways will decrease to **26%** in 2014

THANK YOU FOR YOUR ATTENTION!

