

2023 URBAN RAIL VISION OF İSTANBUL

ÖMER YILDIZ

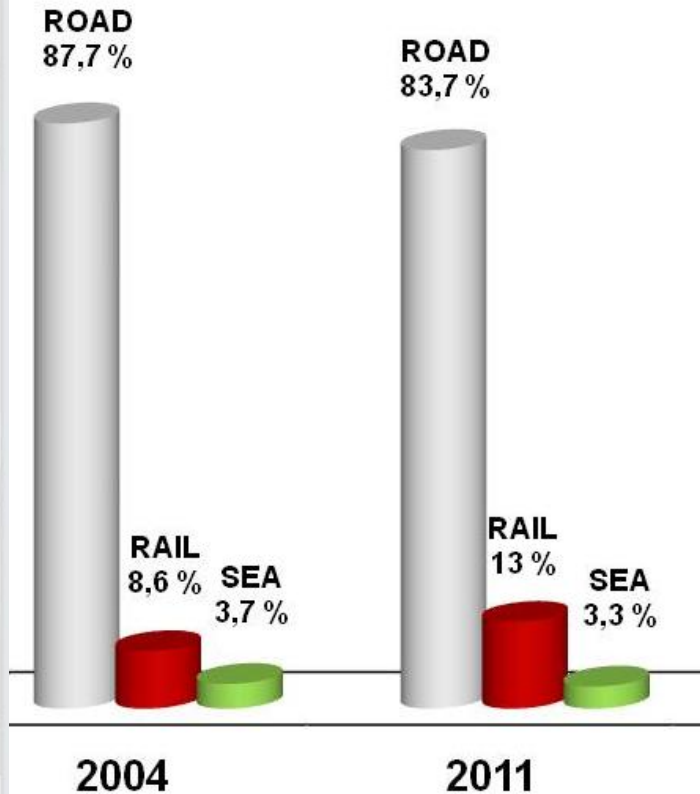
İSTANBUL ULAŞIM AŞ

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



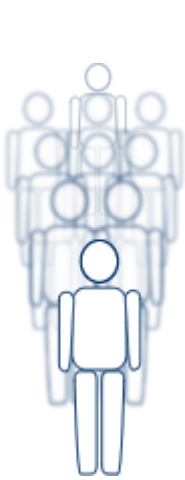
WATERBORNE 3,3 %

- Şehir Hatları
- Private Boats





Transportation Statistics (1)



13.2

MILLION
POPULATION



27

MILLION
DAILY
TRIPS



25.000

KM
TRANSPORT
NETWORK

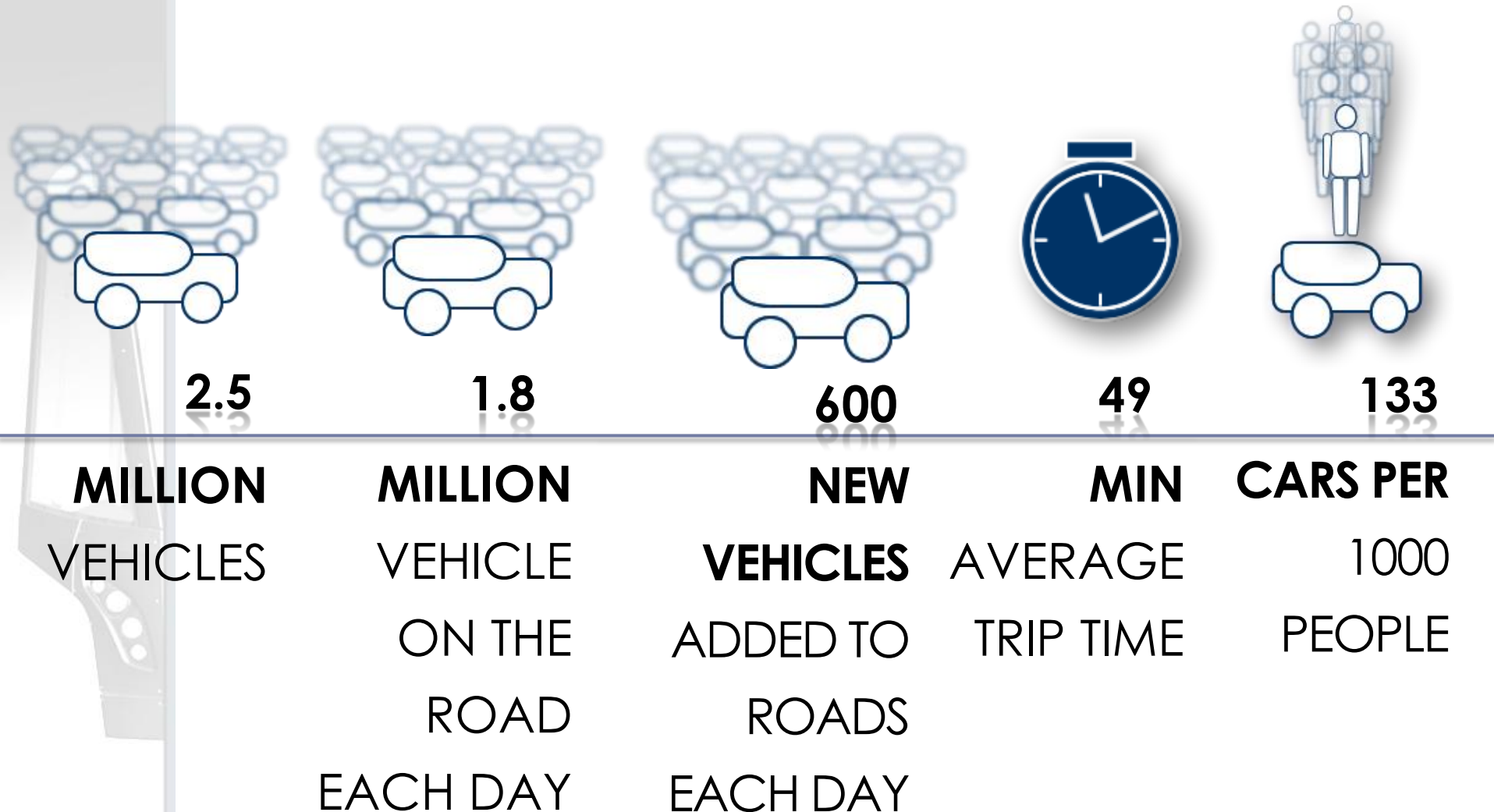


1.3

MILLION
DAILY TRIPS
BETWEEN
CONTINENTS

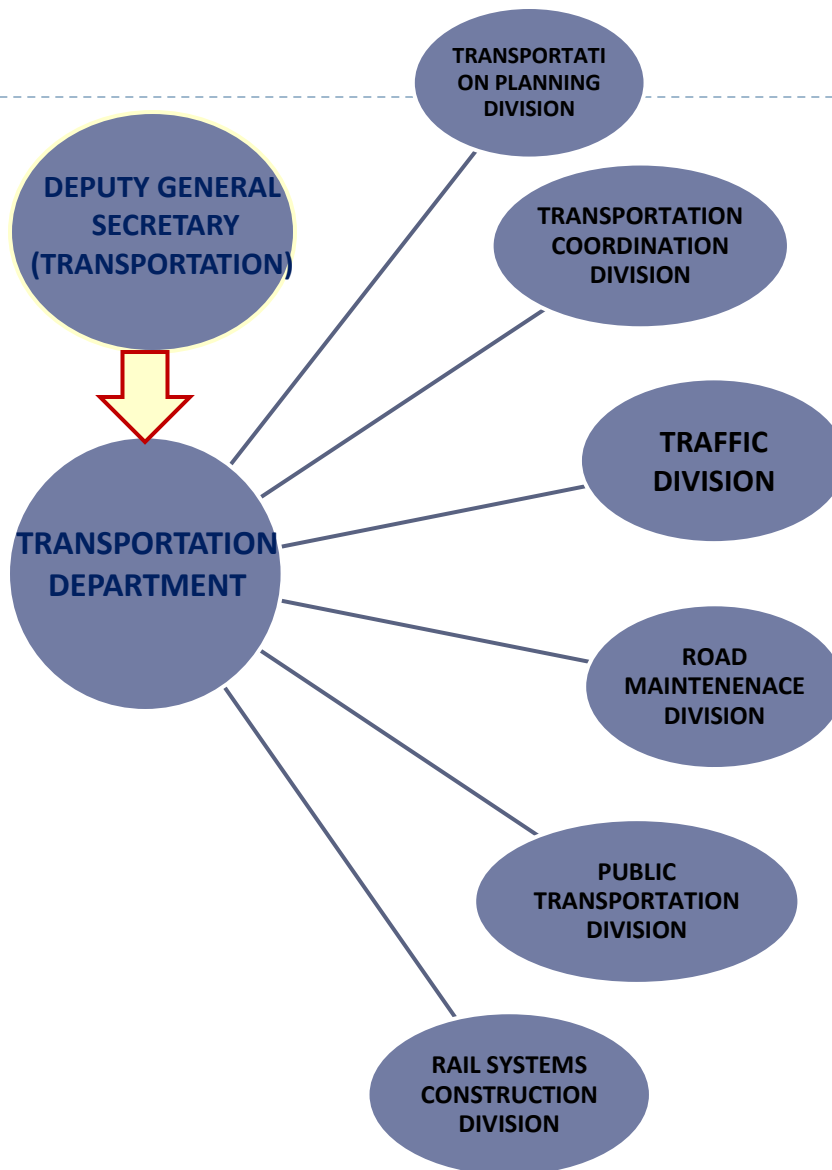


Transportation Statistics (2)





Governance Structure: Transportation Units



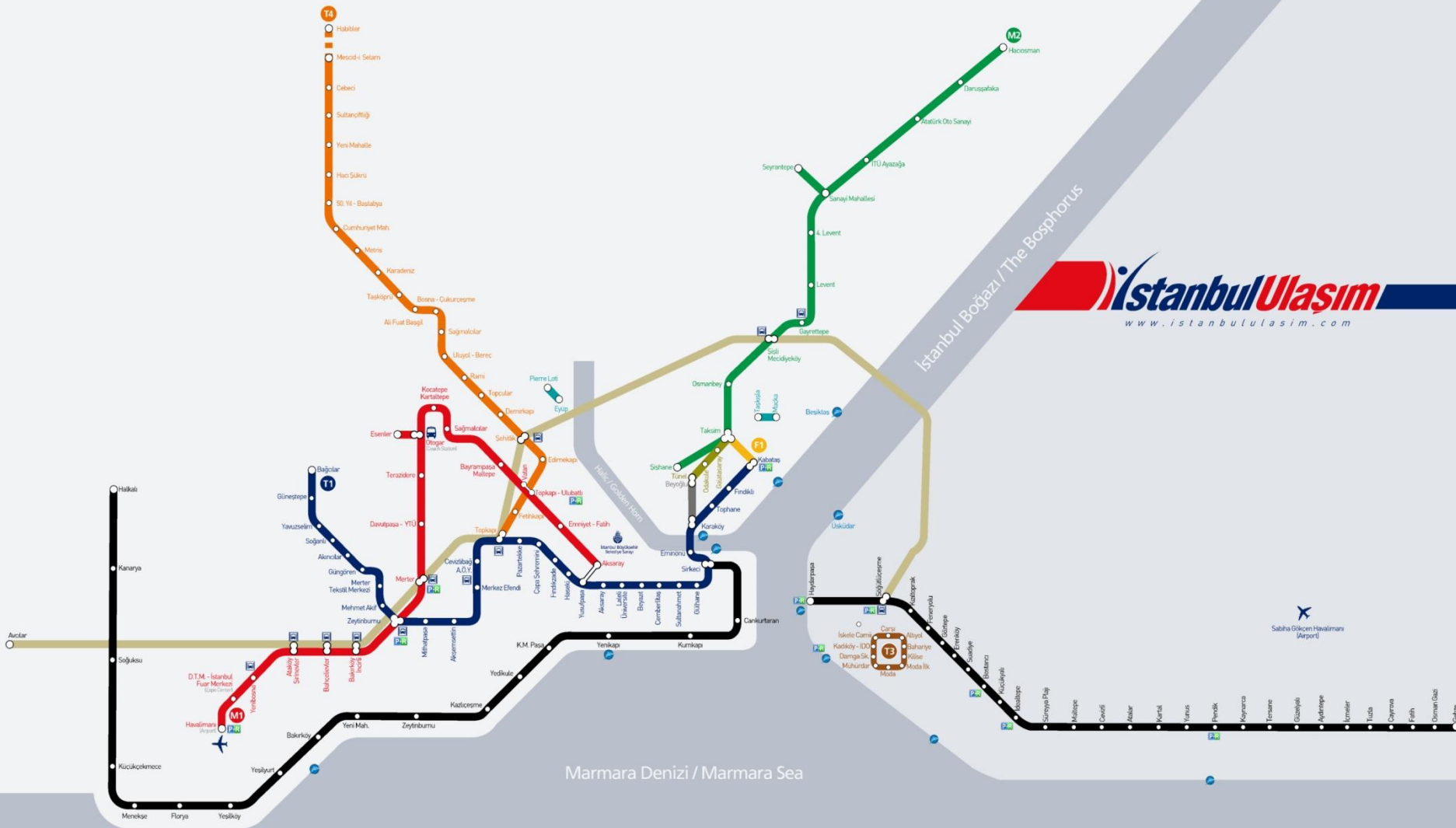
AFFILIATED AUTHORITIES

	İETT • Bus and Rail Systems Operator
	ŞEHİR HATLARI A.Ş. • Maritime Operator
	İSTANBUL ULAŞIM • Rail Systems Operator
	İSPARK A.Ş. Parking Operator
	İSFALT A.Ş. Road Pavement Provider
	İSBAK A.Ş. Traffic Signaling
	BELBİM A.Ş. E-Ticket Developer
	BİMTAŞ A.Ş. Transportation Master Plan Studies
	İSTON A.Ş. City Furniture and Border Provider
	OTOBÜS A.Ş. Bus Operator

Transportation Authorities at IMM;

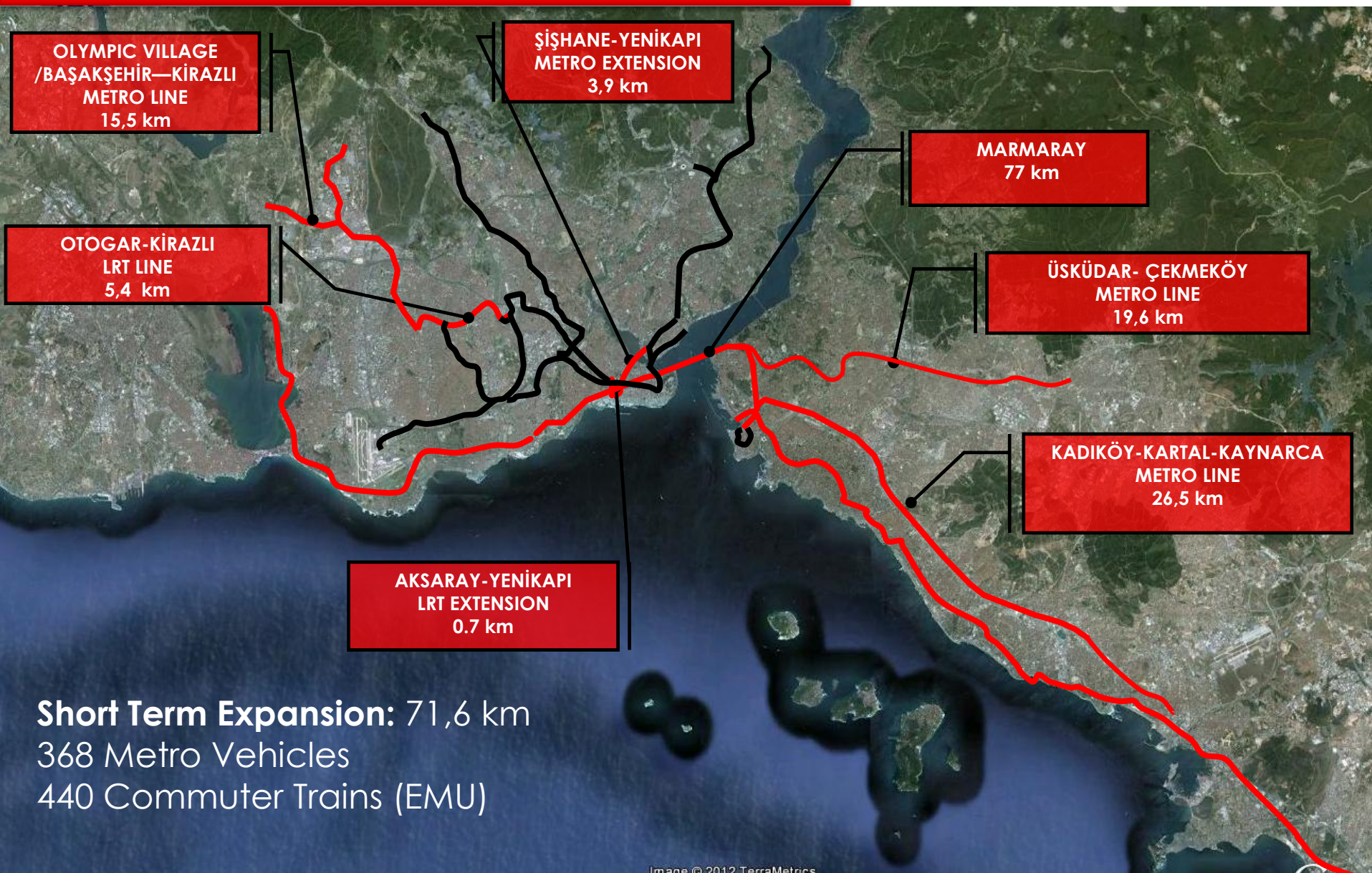
1 Deputy Secretary-General;
1 Department Head;
6 Division Managers;
8 IMM Affiliates and
1 Bus Authority

URBAN RAILWAY NETWORK OF ISTANBUL: CURRENT SITUATION



İşletmemizdeki Hatlar / Lines Operated	Diğer Ulaşım Hatları / Other transportation lines	İşaretler / Signs	Bilgilendirme / Information	İletişim / Contact
<ul style="list-style-type: none"> M1 Akasray - Atatürk Havalimanı (Airport) Metro / Metro M2 Söğütözü - Hacısultan Metro / Metro T1 Zeytinburnu - Kabataş Tramvay / Tram T3 Kadıköy - Moda Tramvay / Tram 	<ul style="list-style-type: none"> Metrobüs / Metrobus Karaköy - Beyoğlu Tünel / Funicular Taksim - Tünel Nostaljik Tramvay / Tram Sirkeci - Haliçli Barışlı / Suburban Haydarpasa - Gebze Barışlı / Suburban 	<ul style="list-style-type: none"> İstasyon/Durak Station / Stop İlk/Son İstasyon First / Last Station Aktarma İstasyonu / Interchange Station Aktarma İstasyonu / Interchange Station Park/İstasyon Noktası / Park and Ride Points 	<ul style="list-style-type: none"> Havalimanı / Airport Otogar / Coach Station İDO İskelesi / Ferry Metrobüs / Metrobus 	<ul style="list-style-type: none"> 7 Gün 24 Saat Hizmet İstanbul Ulaşım Yolcu Hizmetleri Hattı 444 00 88 Kısa Mesaj Servisi 7588 Tüm dilek, şikâyet ve önerileriniz için bize ulaşabilirsiniz.

UNDER CONSTRUCTION (2012-2015)



KADIKÖY-KARTAL-KAYNARCA METRO LINE

LENGTH : 26,5 KM (ALL UNDERGROUND)

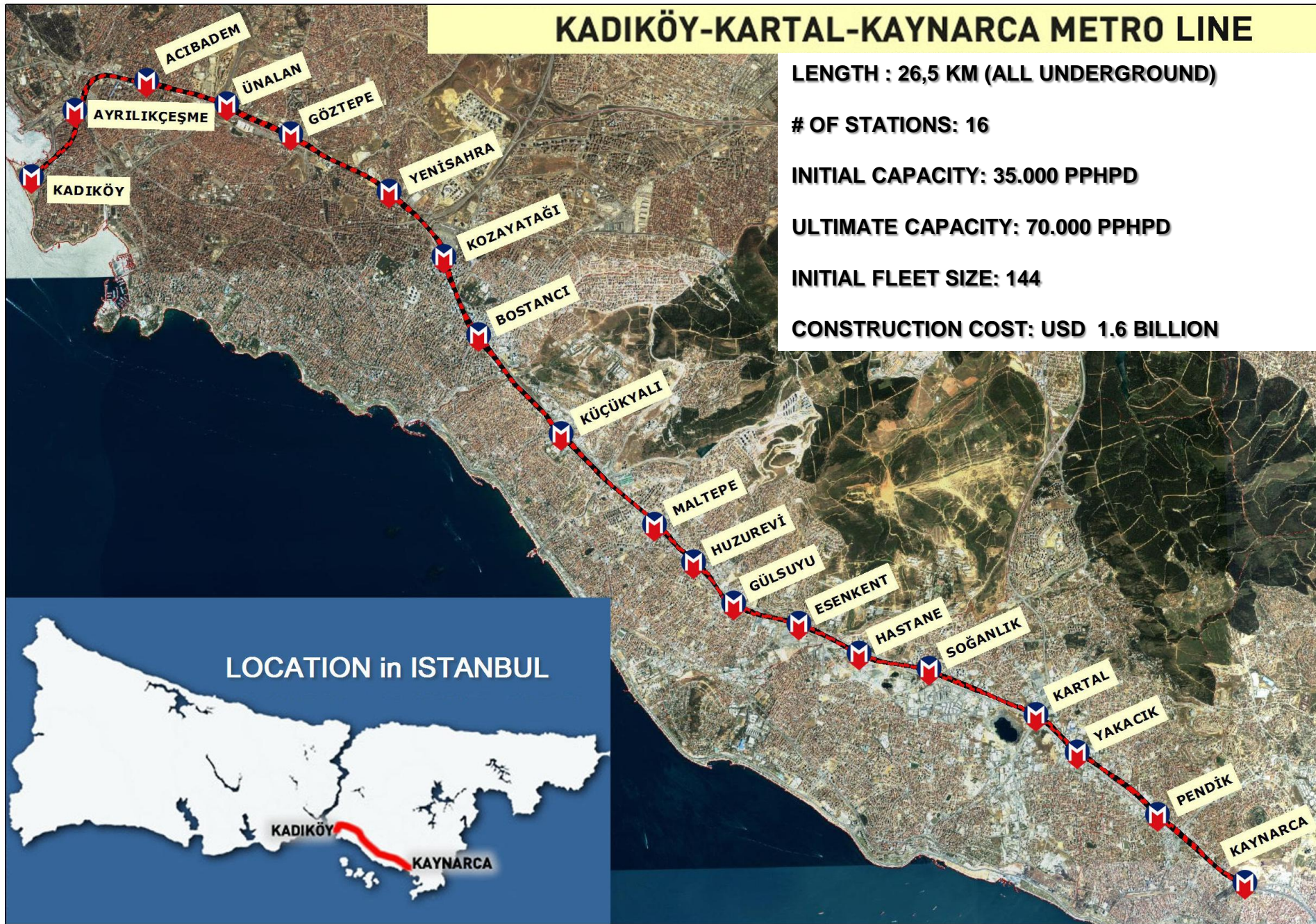
OF STATIONS: 16

INITIAL CAPACITY: 35.000 PPHPD

ULTIMATE CAPACITY: 70.000 PPHPD

INITIAL FLEET SIZE: 144

CONSTRUCTION COST: USD 1.6 BILLION



LOCATION in ISTANBUL

KADIKÖY

KAYNARCA

LENGTH : 21,7 KM

OF STATIONS: 15

INITIAL CAPACITY: 35.000 PPHPD

ULTIMATE CAPACITY: 70.000 PPHPD

INITIAL FLEET SIZE: 80

CONSTRUCTION COST : USD 1.65 BILLION





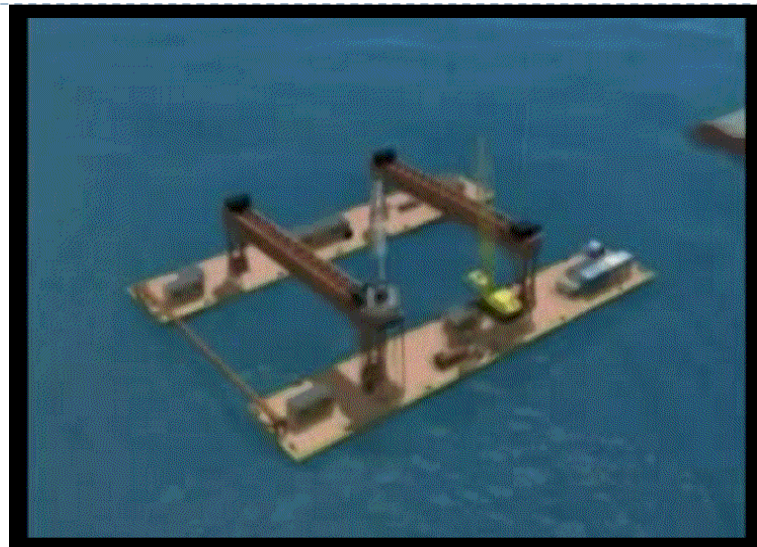
MARMARAY: THE WORLD'S DEEPEST IMMERSED TUBE TUNNEL

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

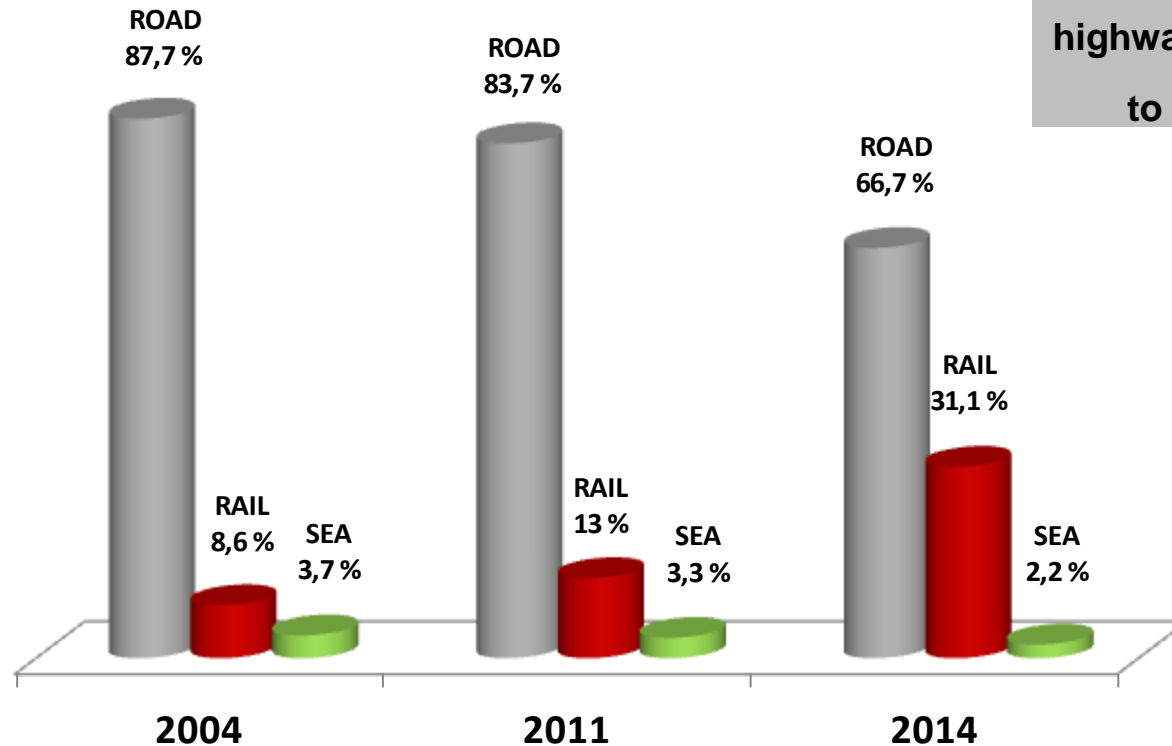
LOCATION in ISTANBUL

ÜSKÜDAR ÇEKMEKÖY



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)



Image © 2012 TerraMetrics

KABATAŞ-MAHMUTBEY METRO LINE



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



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

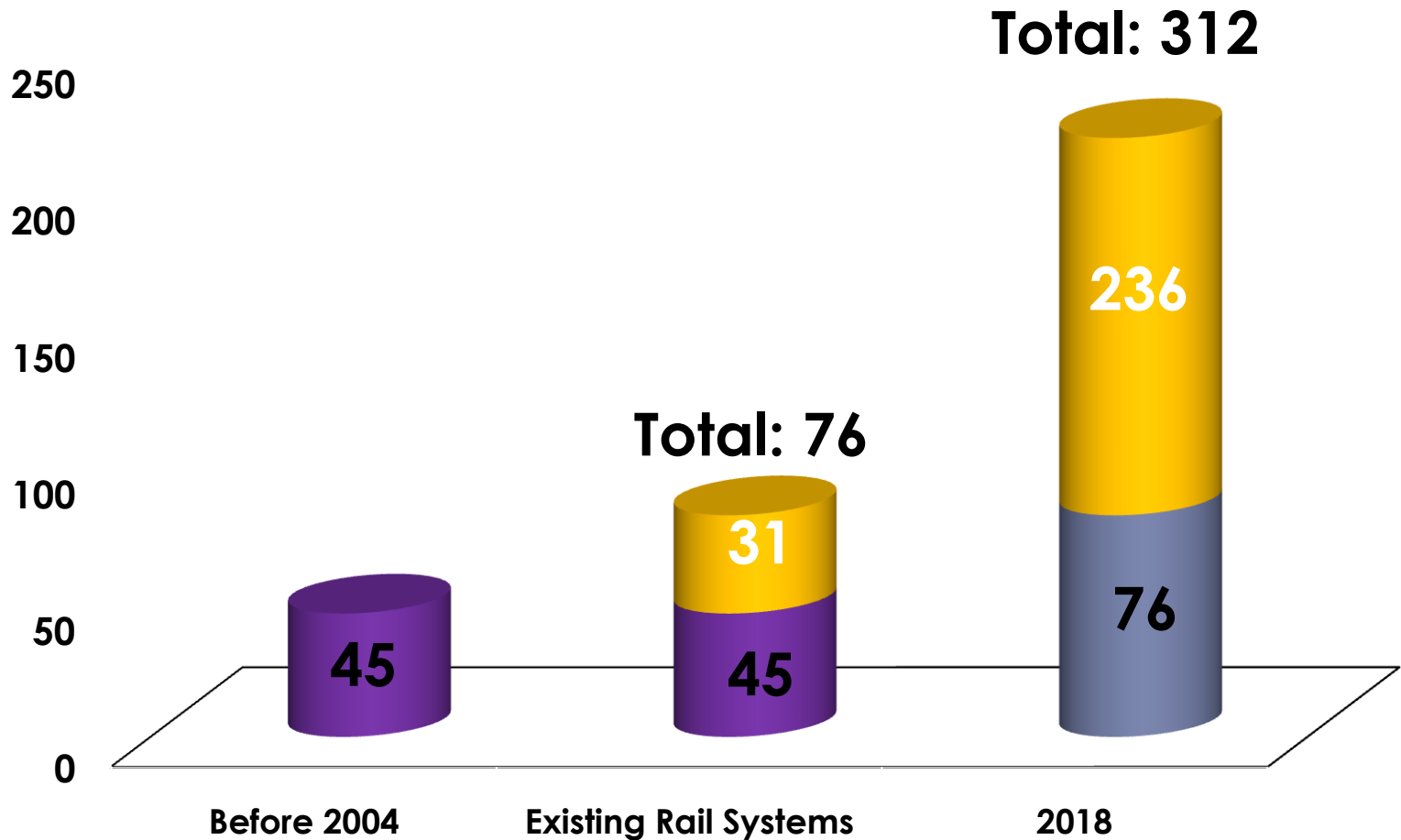
FINANCING METHOD: CONSTRUCTION TENDER

LOCATION in ISTANBUL

BEYLİKDÜZÜ BAKIRKÖY



Increase in Railway Systems (up to 2018)



FINAL NETWORK (2023)



Total Length: 641 km

943 Metro Vehicles

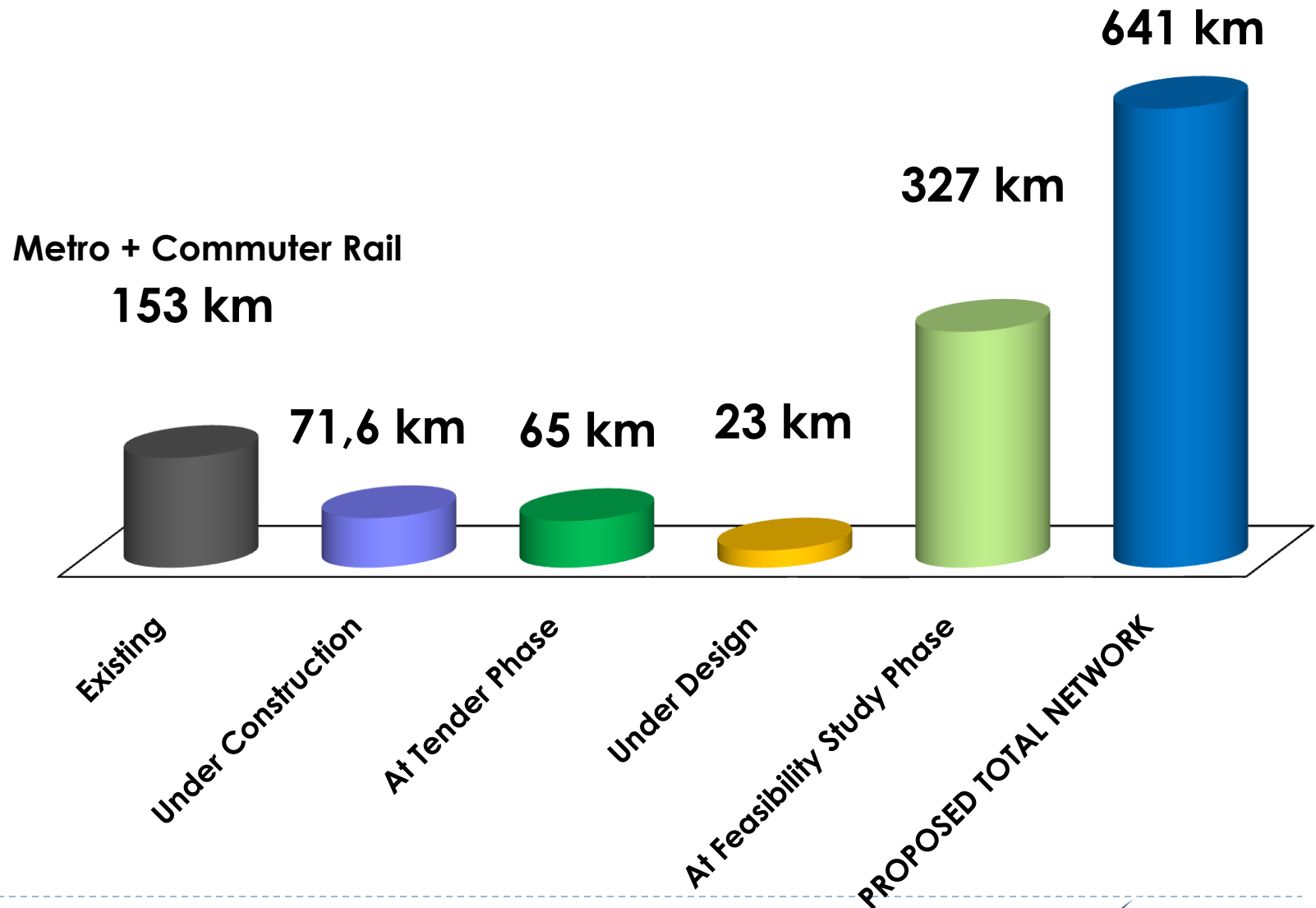
120 Tram Cars

46 Monorail Vehicles

148 Commuter Trains (EMU)



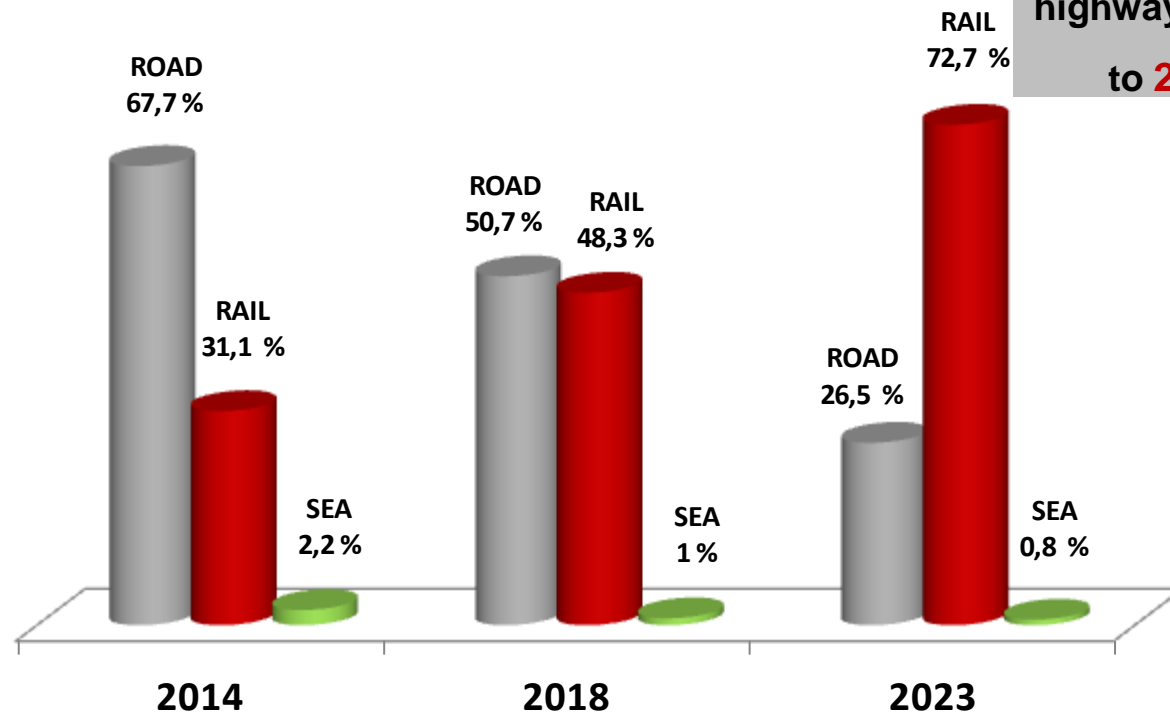
Increase in Railway Systems (up to 2023)





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!

