



## The Mobility Revolution in a “conservative” rail - transportation .

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June 2016

# Milestone in the development of rail transportation.

1863 - Tube in London .

1869 - Subway in New York.

1890 - Tram in Vienna.

1901 - First electrical locomotive in Germany .

1981 – Train running 280 Km/h in France .

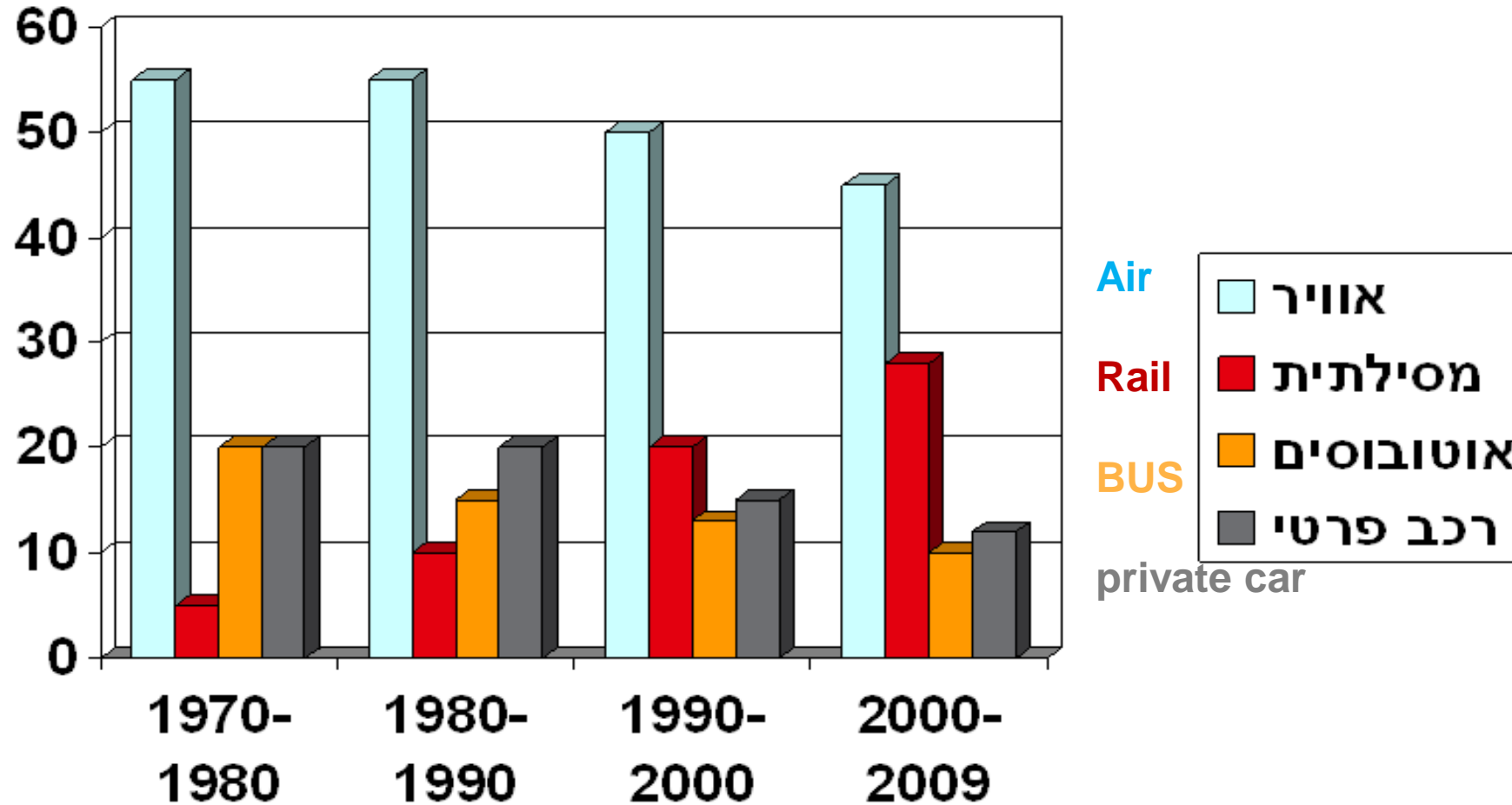
Today - Passengers trains can run 380 Km/h.



The Maglev (Magnetic Levitation)  
500 Km/h.

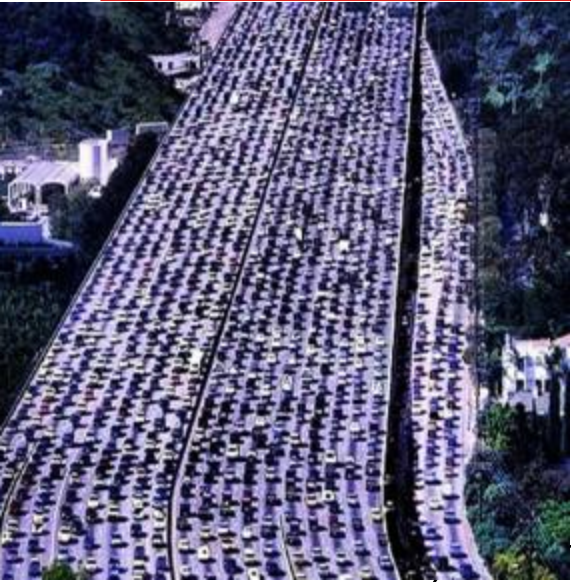


# UN Research - directions in transportation in the world.

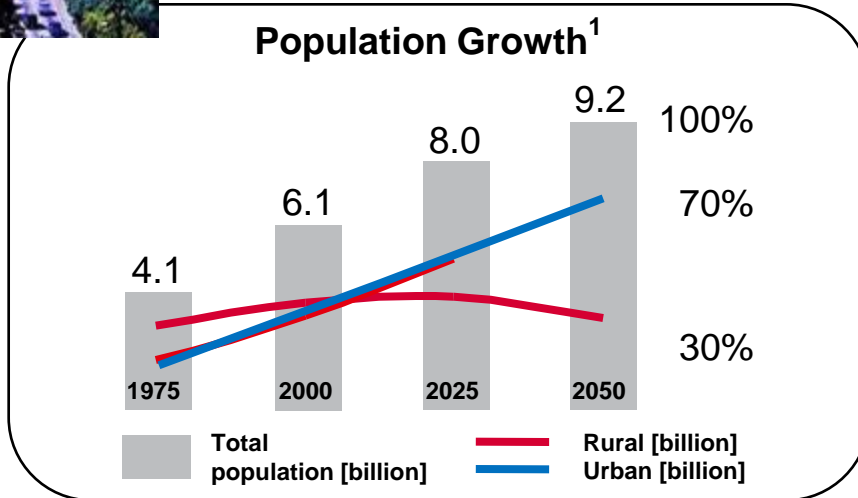


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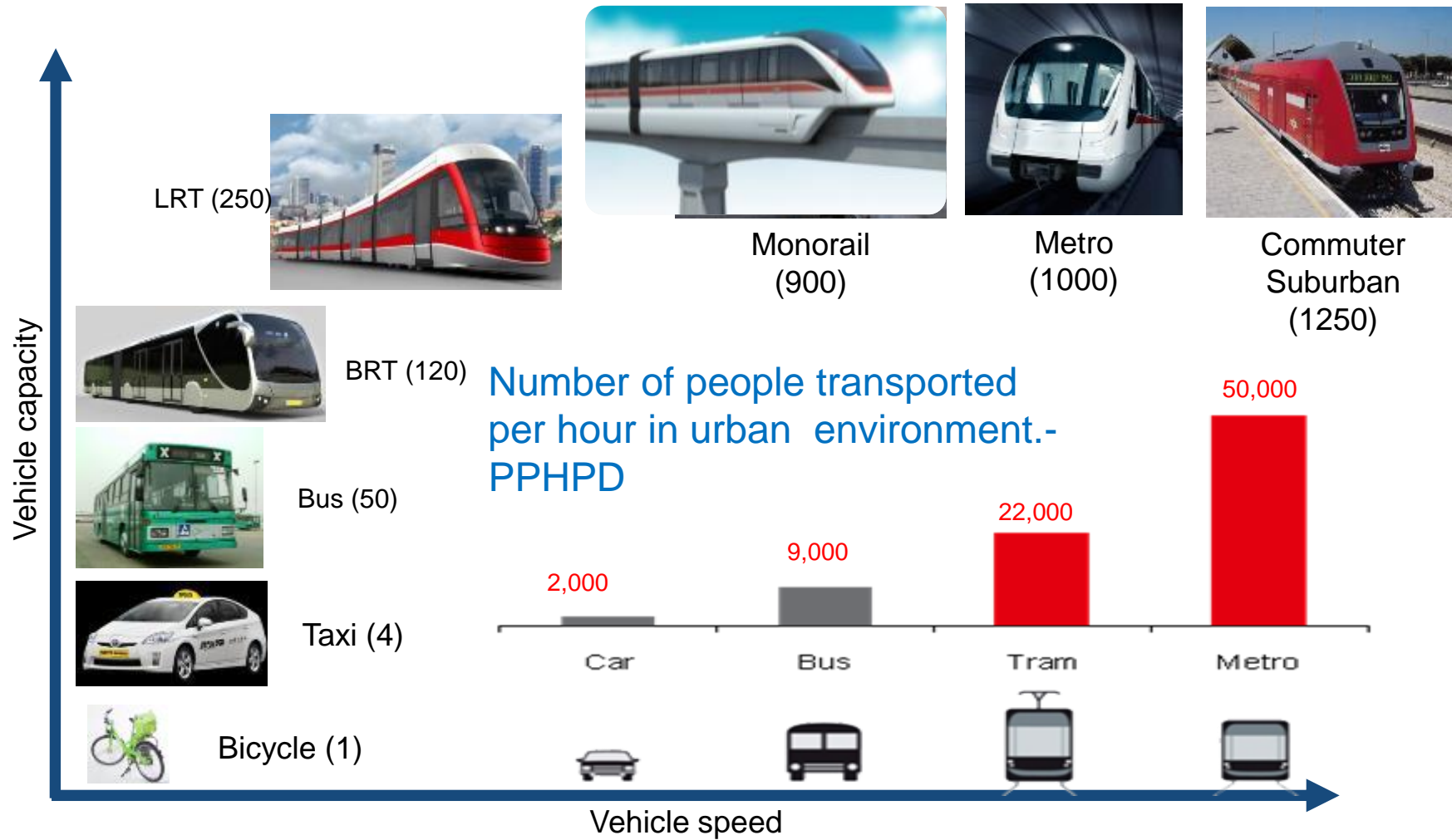
# The Urbanization is become different...



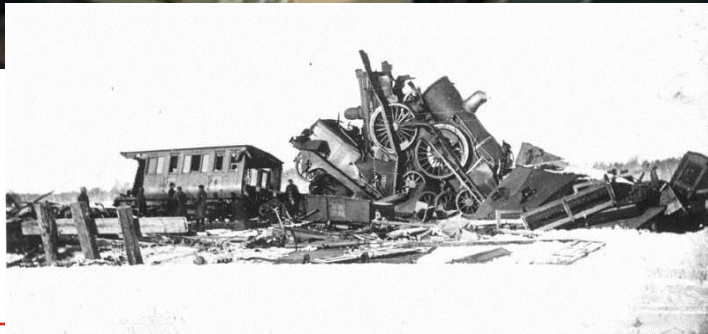
**Challenge:**  
Increasing demand for passenger transportation, esp. in urban areas.



# Capacity vs. Speed of an Ideal Metropolitan Network



# Control & Communication Center

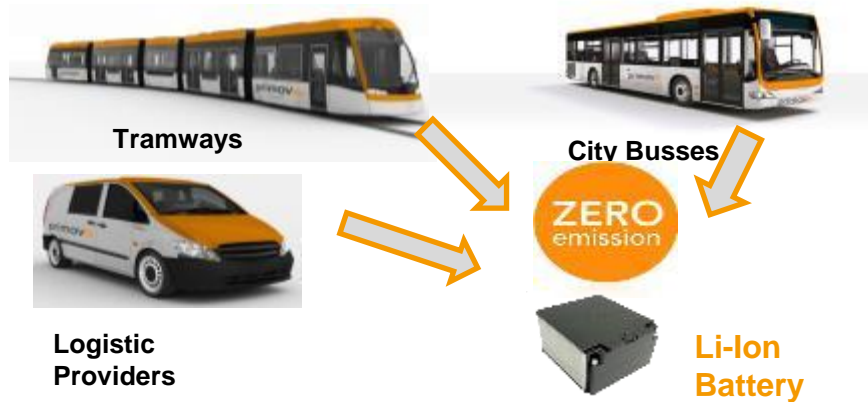
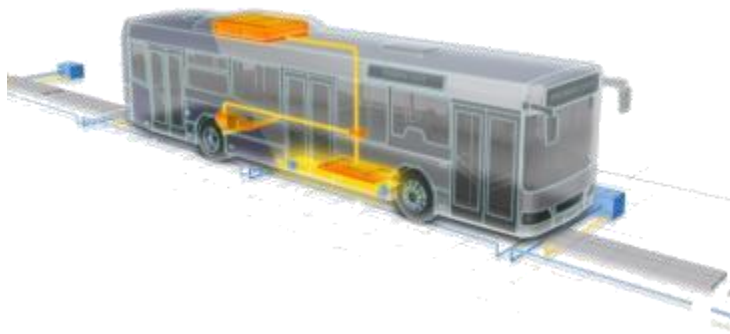


With out CCC

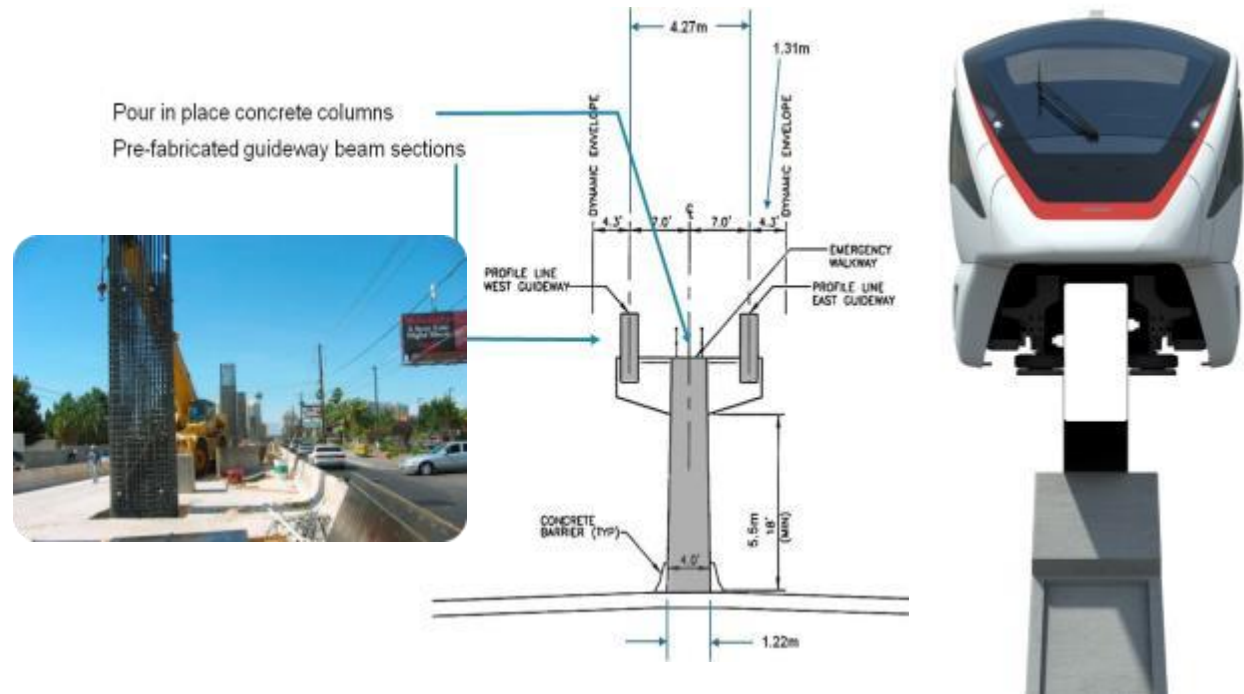


# 2 products from the “Revolution”

## PRIMOVE wireless charging

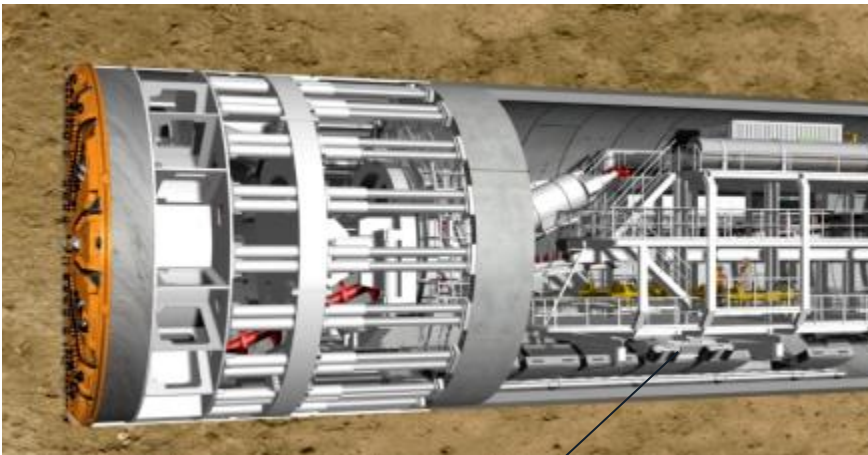


## Monorail system



# News in infrastructure – TBM & Laying of tracks

length – 100 m.  
weight – 800 t.  
Dig ~ 25 m a day.  
Operations team - 25 p.



Concrete elements





# What change the attitude to the private car ? Only if you have alternatives...

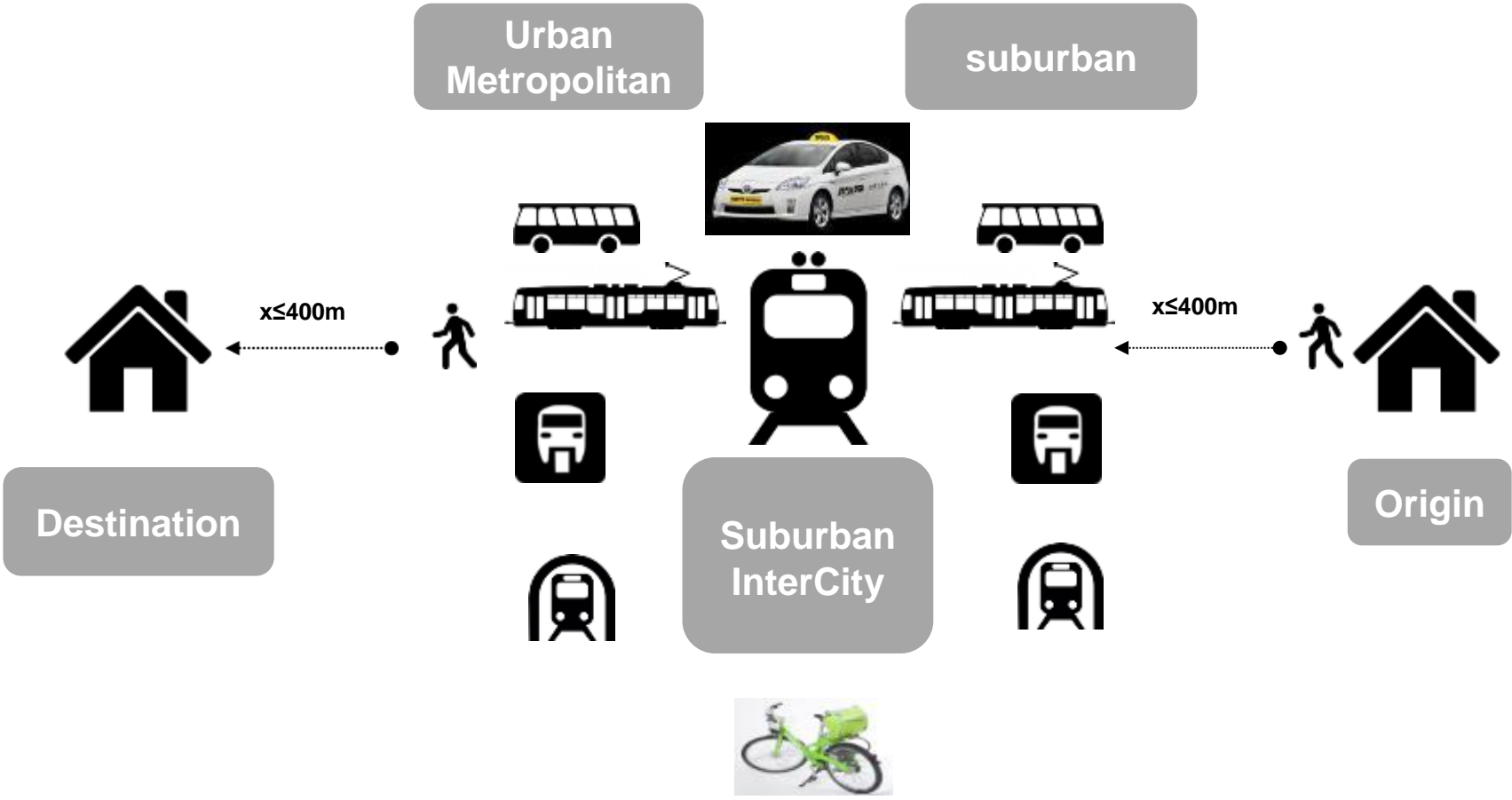
**Profitability** – cost , save time , more comfortable, use the time in better way.

**Reliability** – on time , safety , good service.

**Availability** - waiting in a station not more then 10-15 minutes.  
walking to the station not more then 5 minutes.  
solutions for Special Needs .



# To Station Model - availability of mobility solutions.



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# The future innovation in rail transportation will help to improve:

Less Road Accidents.



Energy costs.

CO2 Pollution.



Traffic Jams.



Land for roads and Parking.



Standard of living.

