

# Creating a World Class Transportation System

## A challenge ahead

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# A question to start with

**What if 20,000 more people travel daily by car to Colombo?**



**It will require the space of 63 football fields for parking**

# The need for a good transportation system

## Risk assessment

- Growing car-ownership, a failing transport system and weak urban planning can and become a deadly cocktail

## Life expectation

- Transportation is like the blood circulation in your body:  
*if it stops flowing, your city will die*

## In a global world

- Only cities with a good transportation system are valued as an attractive place to live, work and doing business

# Building more roads is not the solution



**It is not sustainable, not attractive, not affordable**



# Transportation: the pivot of city development

## Urban transport is about:

- the way we move around
- the way we plan and build our cities
- part of everybody's daily life
- quality of life
- quality of the city
- our future

**The urban transport system should be  
at the hart of the Development Strategy for any City**

# The pivot of city development: transportation



**A better transport !**

**A better city !**

**A better life, a better business !**

# Do you want a smart city ?

- A smart city is a city where people and businesses are happy to live and work
- A smart city is a city where urban planning and urban transport are strictly linked to each other
- A smart city is a city where the **government** takes its **responsibility to organise transport** in an efficient and sustainable manner

**A developed country is not a place where the poor have cars. It's where the rich use public transport.**

Enrique Penalosa, Mayor of Bogotá, Colombia

- In cities like Singapore, Hong Kong, London, Paris, 60-80% of the trips are made by public transport
- We can only expect people to leave their car at home if a world-class transportation system is in place



# **A world-class transportation system**

**Buiding stones for  
a good transportation system**

**....and some food for thoughts**

# A world-class transportation system

## Attractive

- Accessible
- Travel time
- Stress-free
- Comfortable
- Safe & secure
- Customer-oriented

## Efficient

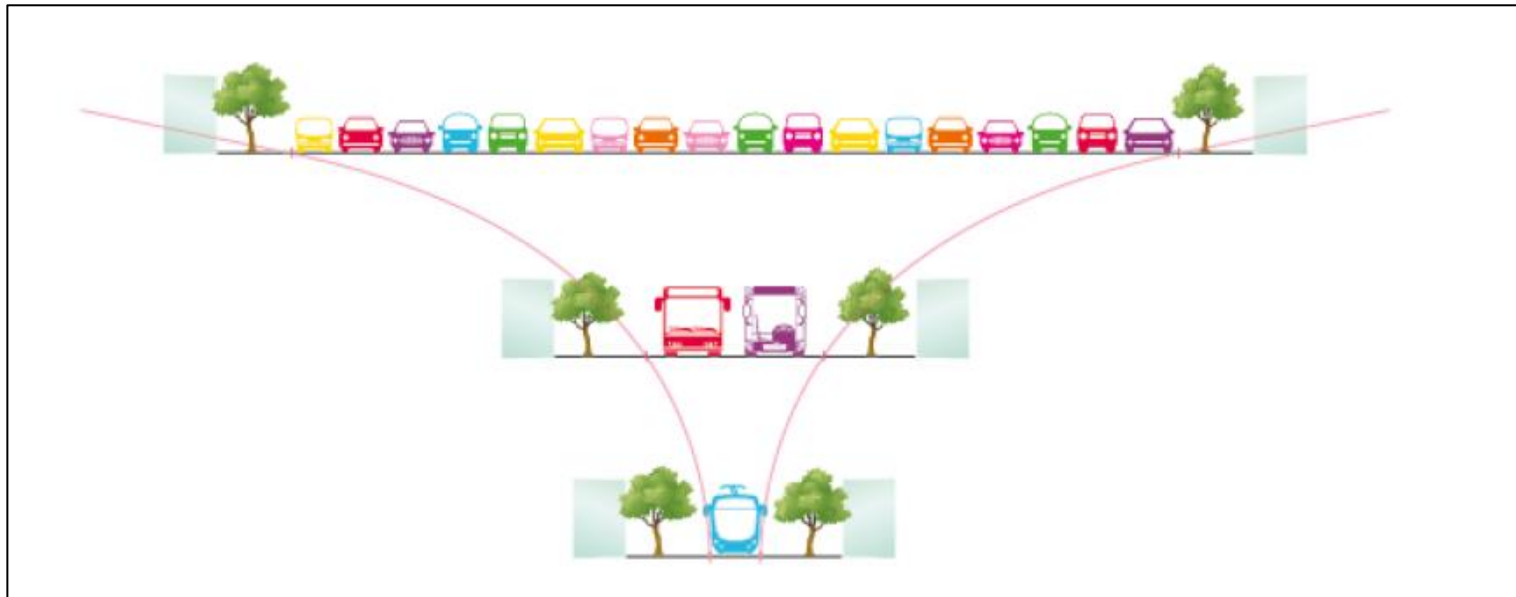
- Use of space
- Urban Planning
- Organisation
- Investments
- Operations & Management
- Value for money

## Sustainable

- Promotes public transport, walking and cycling
- Reduces emissions, pollution and noise
- Affordable
- Contributing to Quality of Life

## Efficient use of space

- Public transport: very efficient in terms of space
- Capacity car lane: 1.500 pph; Bus lane: 9.000 pph
- Capacity is not about vehicles, its about people



**One bus lane has the same capacity as 6 car lanes**







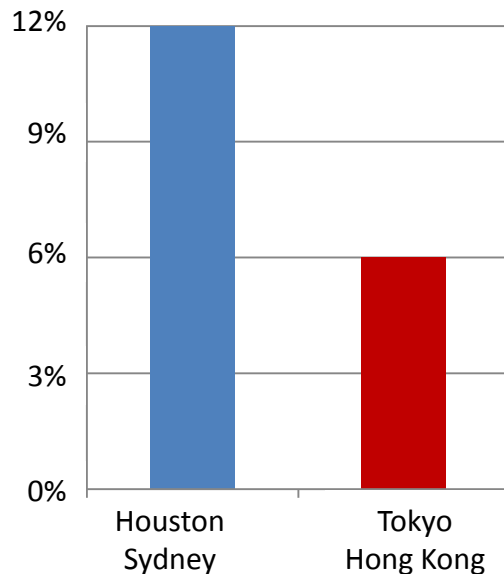
# Creating capacity with more space for public transport



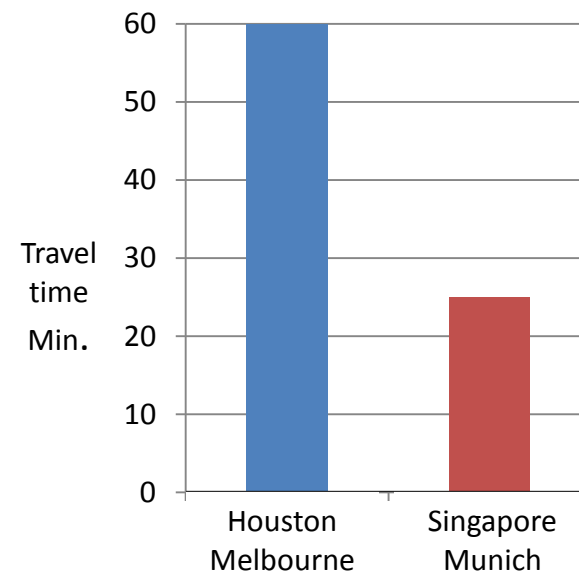
## Cost-effective investments

- Cities with sustainable transport spend 50% less of their Local GDP on transport than cities with a predominance of cars
- Investments in excellent transport systems are paid back by a reduction of travel time and congestion costs

Cost of transportation  
in local GDP



Access to  
to 500.000 jobs



Source: UITP



## Transport Oriented Development (TOD)

- Urban Planning is key to a good and efficient Urban Transport system
- Urban Planning should be Transit Oriented
- High density developments around public transport corridors
- Project development is completely different from urban planning
- Reserving corridors in Urban Development Plans

**Fail to plan is planning to fail**

# High density around public transport corridors



Curitia, Brazil



# Singapore: 40 years of Transit Oriented Urban Planning



Integrated Land and Transport Authority

## Attractive and modern rolling stock

- Car owners need to be seduced to use public transport
- Rolling stock needs be attractive, clean, modern and safe





## High quality transport terminals

- Smooth transfer between transport modes
- Transport hubs are nodes in an integrated network
- Starting point for urban regeneration of the area



High quality public space

## Modern integrated E-ticketing systems

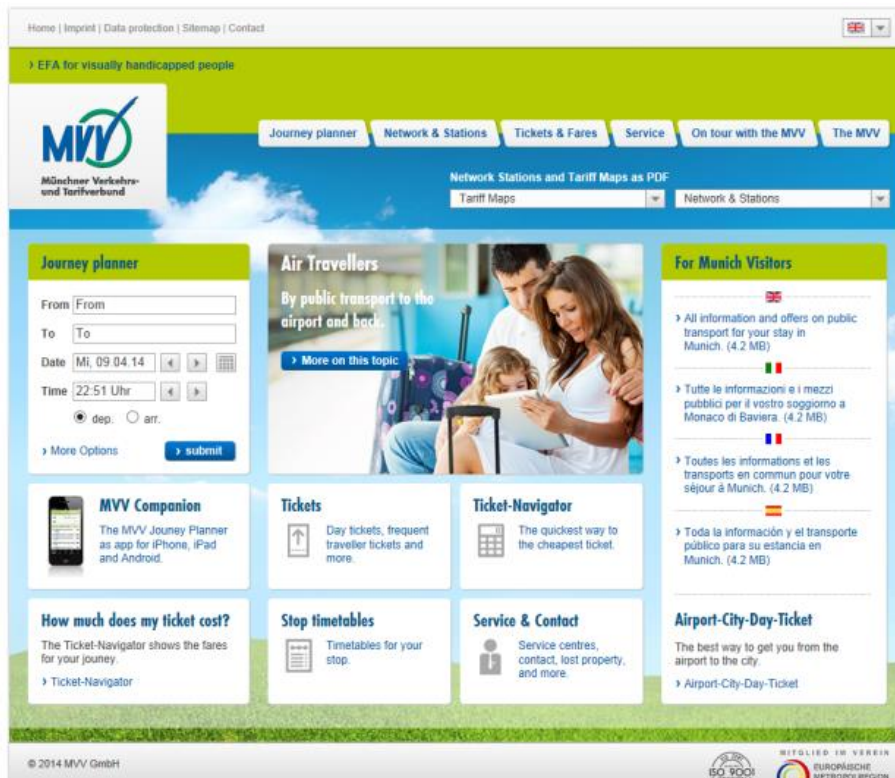
- Any modern city has nowadays an integrated E-ticketing system for public transport in place
- One ticket for any mode of transport
- Convenience for the passenger
- Efficiency for the operator





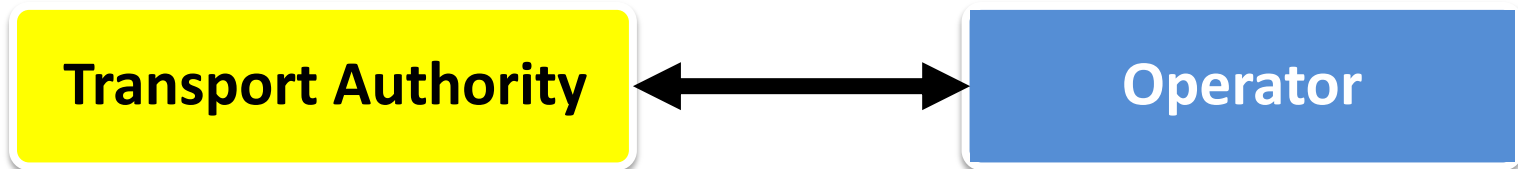
# World-class transportation information

- Access to transport information is a starter
- Websites, mobile applications, travel planners and updates



## Professional Transport Operators running the system

- Transport Operators being professional, well-managed Companies (often globally active)
- Service Contracts (concession) between Urban Transport Authority and Operators
- Contracts are subject to international tenders
- The Contract defines strict quality standards and KPI's



## Commuter Rail systems play an essential role

- Many cities transformed outdated rail systems in a modern commuter rail networks of high quality
- Cost-effective investment
- Development and management through dedicated company

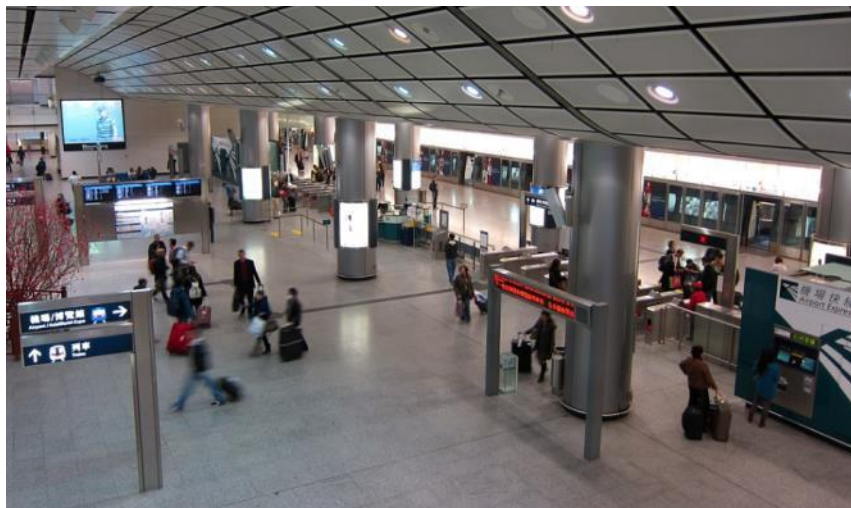




## An Airport-City Rail link

### Connecting your city to the world

- Any city that takes themselves serious has a fast, direct and comfortable rail link that connects the Airport with the City Centre

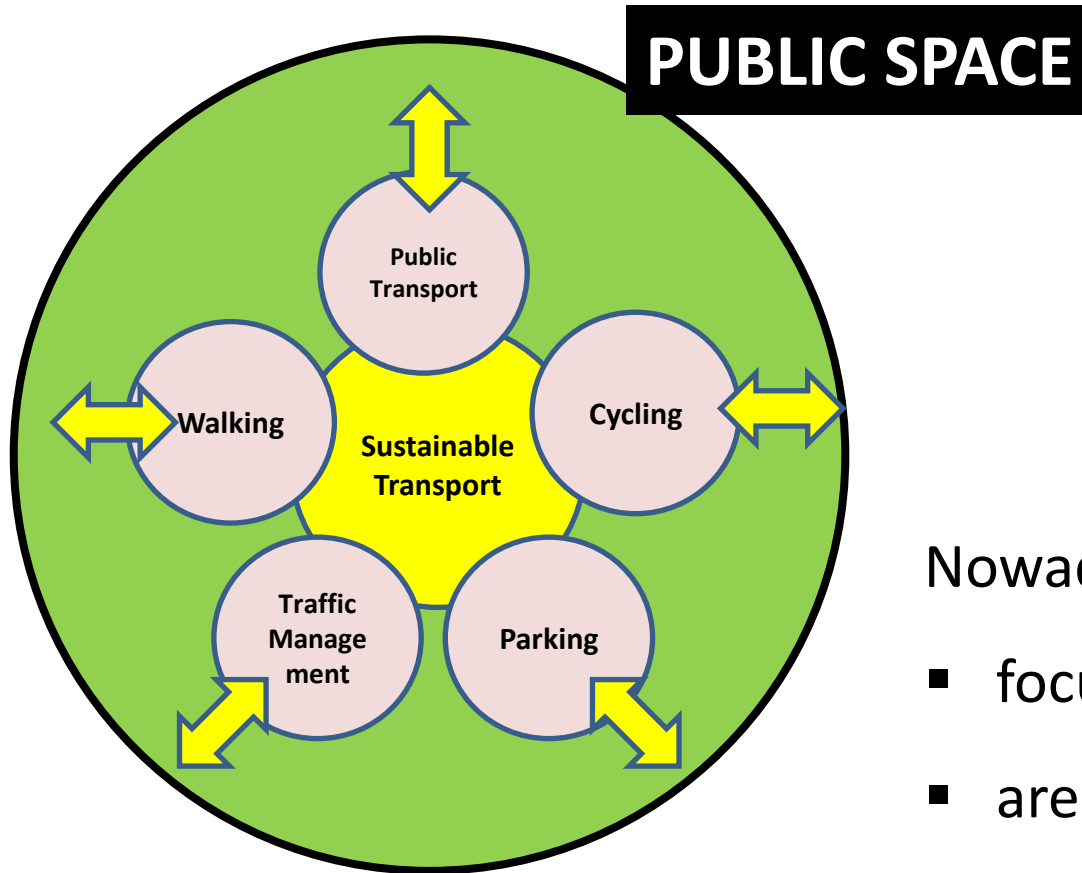


## Parking is regulated and well managed

- Space in a city is scarce and valuable
- Paid parking will regulate both space and mobility
- Will open up road space and public space for pedestrians
- It generates income for cities to improve the transport system



## Transport and Public Space: twins



Nowadays attractive cities:

- focus on public space
- are green cities
- give priority to pedestrians
- promote sustainable transport



# Public Space - Attractive Cities



## **Public Space** > Creating space for pedestrians and green transport



**Old**



**New**







# How to create a excellent transportation system?

Developing an excellent transport system is **not** so much a matter of technology and money.....

....but a matter of vision, leadership, making choices, organisation, management, knowledge, innovation and hard work

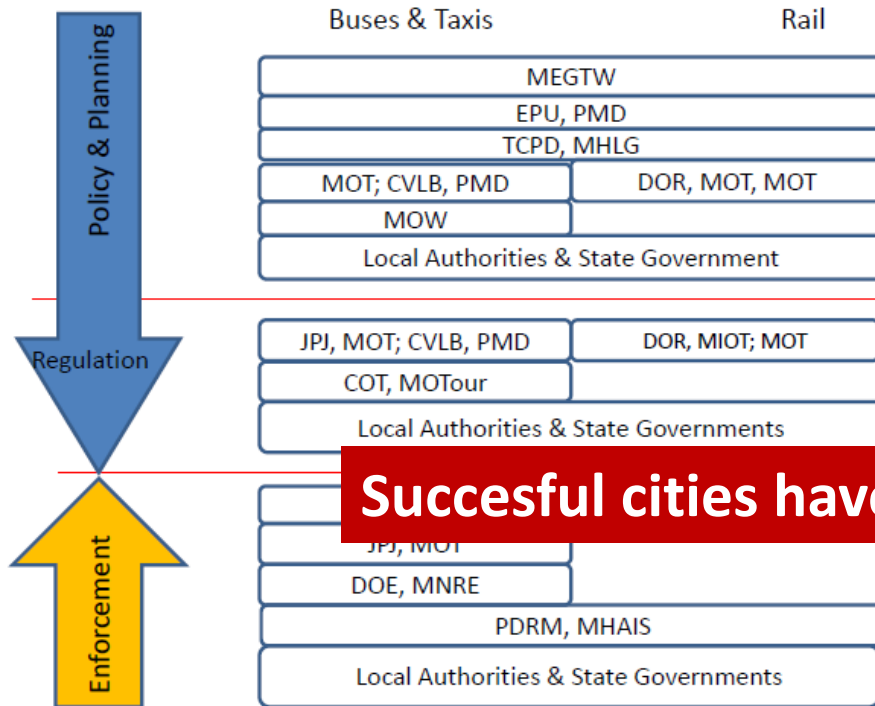
# **A world-class transportation system**

**Why some cities do better than other?**

**The secret behind successful Transportation Systems**

# Organisation is the key success factor

## Example: old organisation of Kuala Lumpur



**Successful cities have all one thing in common:**

**One entity responsible for  
Development & Organisation of Urban Transport**



# One single entity

## THE METROPOLITAN TRANSPORT AUTHORITY

**ROADS**

**PUBLIC TRANSPORT**

**RAIL**

**DEVELOPMENT**

**ORGANISATION**

**MANAGEMENT**

**PROJECT  
IMPLEMENTATION**

**FINANCING**

**CONTRACTING**

**PLANNING**

**COORDINATION**

**INFORMATION**

# The secret of excellent public transport - cities

**1. Well-organised Transport Authority**

**2. Vision and commitment**

**3. Leadership (the “Champion”)**

**4. Political will (competence)**

**5. Well defined goals and strategy**

**6. Strict implementation planning**

# The secret of excellent public transport

**7. Supportive and appropriate legislation**

**8. Sound financial arrangements**

**9. Implementation Capacity**

**10. Human resources and knowledge**

**11. Professional transport companies**

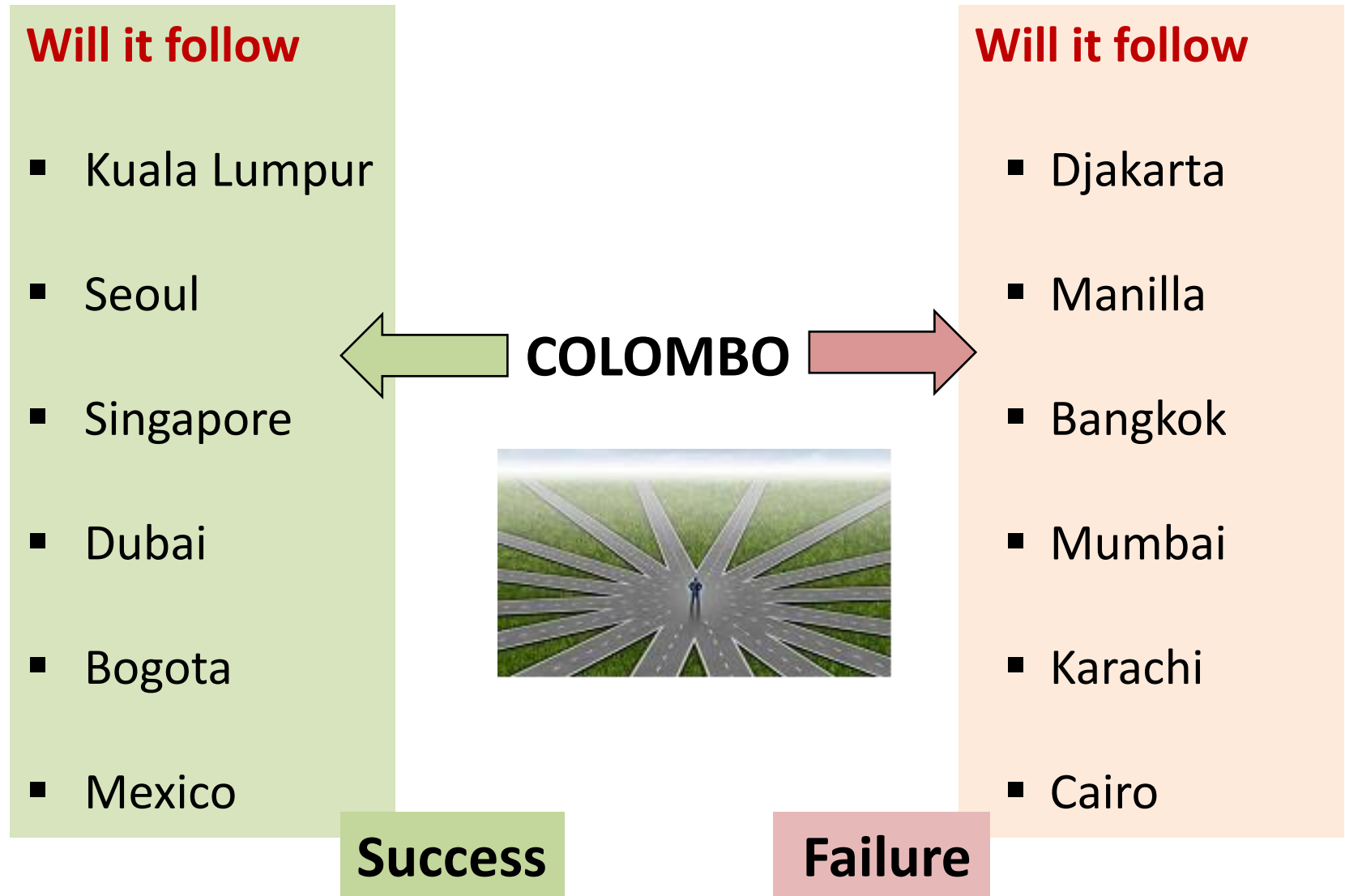
**12. Professional international advisors**

**and not: Commissions**

# Will Colombo either succeed or fail?



# It is time to choose and act



# Final

In a global world, cities acknowledge a good transportation system is key to making their cities attractive and competitive



**Thank you  
for your attention**

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