



International Association of Public Transport  
Union Internationale des Transports Publics  
Internationaler Verband für öffentliches Verkehrswesen  
Unión Internacional de Transporte Público



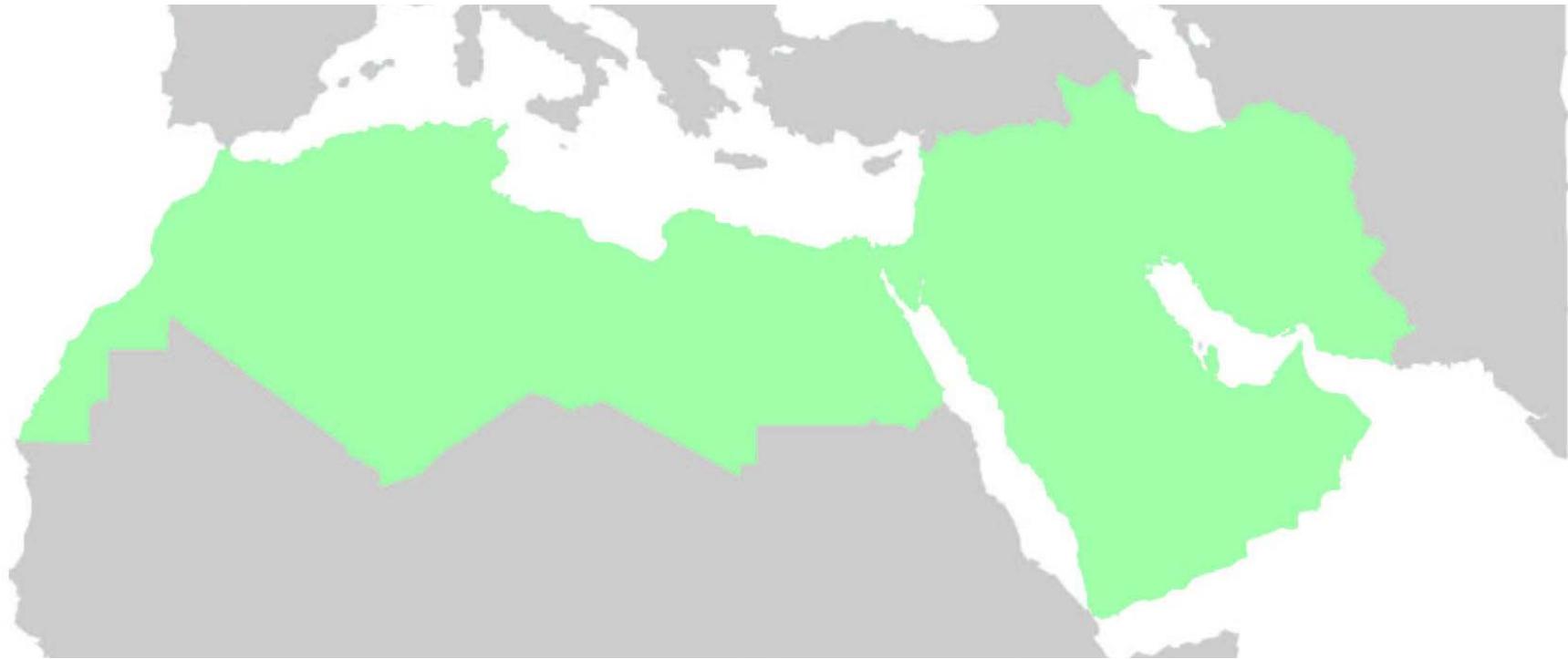
## **MENA region: The new public transport paradise?**

***Mohamed Mezghani***

***Project Manager***

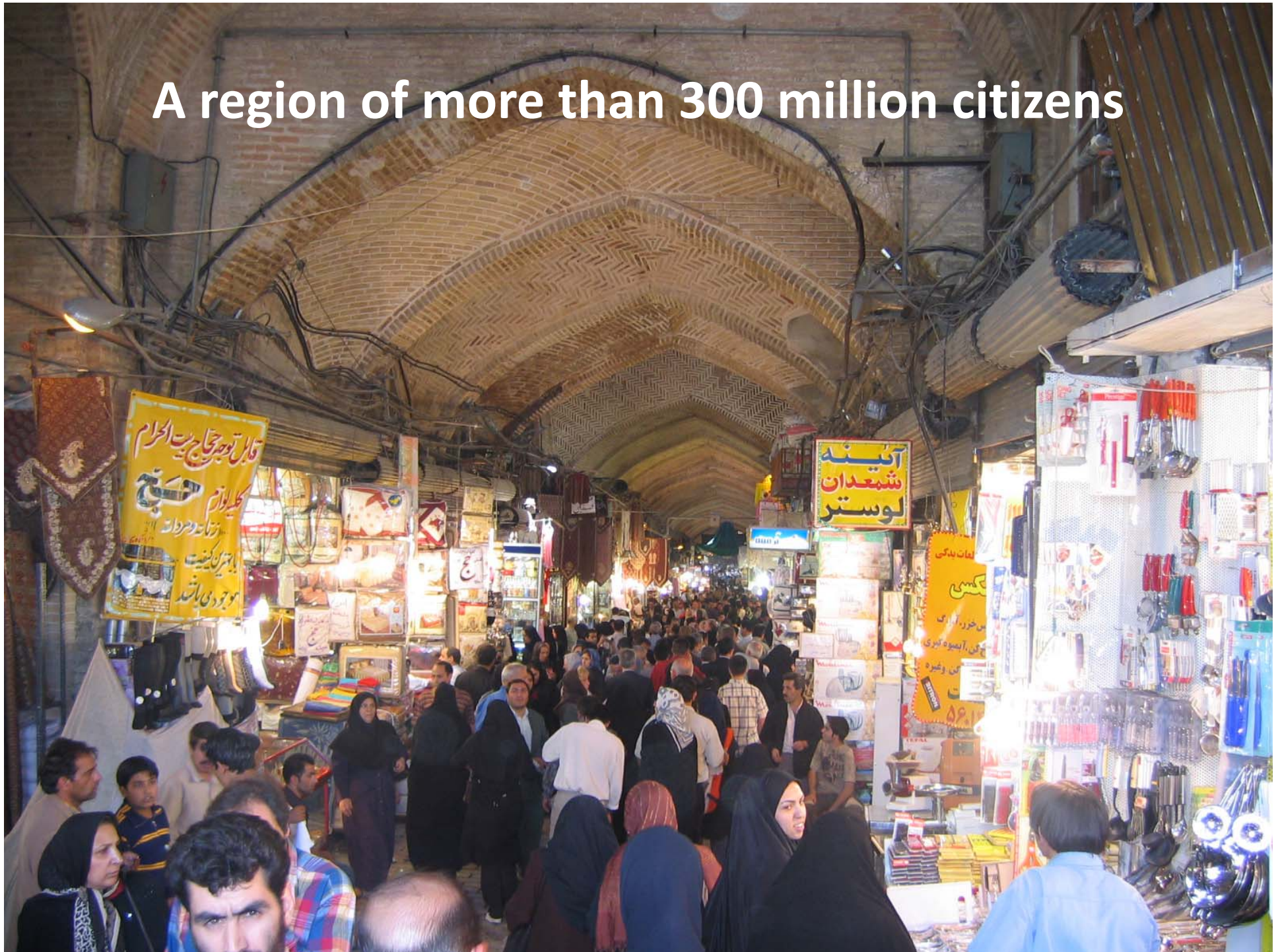
***59<sup>th</sup> UITP World Congress & Exhibition***

# The MENA region





A region of more than 300 million citizens







**Young...**

**... and rapidly growing  
population**



**30 cities of more than 500.000 inh.**  
**8 cities of more than 3.000.000 inh.**

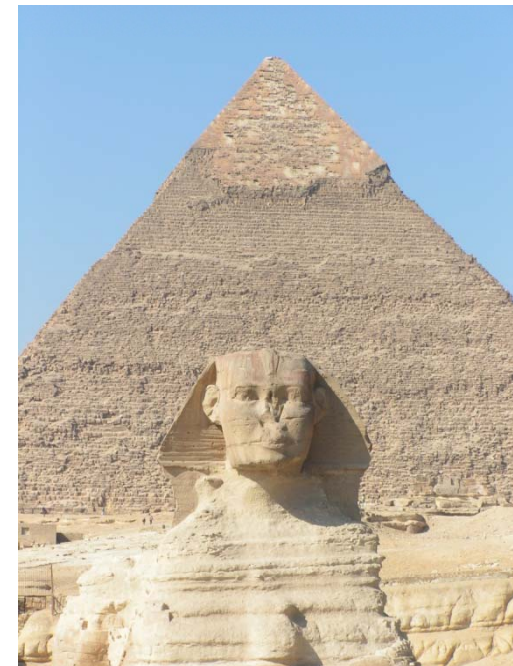


- 2 Mega cities:  
Cairo - 16 million  
Tehran – 10 million
- Plus many other large cities:  
Aden, Alexandria, Algiers,  
Aleppo, Amman, Baghdad,  
Beirut, Casablanca,  
Damascus, Dubai, Esfahan,  
Abu Dhabi, Riyadh, Tripoli,  
Tunis, etc.

**➔ Large potential for public transport systems**



**Sustained and rapid  
economic development  
(+5% yearly)**



**➔ Increasing transport and energy demand**



**Heavily urbanized region  
(60% of the population)**

**→ Urban mobility is a vital issue**







## Rapid urban sprawl

→ Growing commuting distances





## Relatively low car ownership rates (in average)...



➔ Large potential for growth

**But increasing traffic congestion  
and its negative impacts...**





# Challenges in the Region



- To provide **basic mobility** in low income countries
- To create **additional capacity** in the middle range countries to match urbanisation and rising public transport usage rates
- To provide a good quality **alternative to car** use in the rich countries and create a positive image of public transport
- To support **sustainable transport** policies generally

CONSTRUCTION

# Rail next area of opportunity in Middle East

Halcrow, which is bidding for the Abu Dhabi Metro project, has hired a market specialist to lead its thrust into rail, says the company's Regional Managing Director

DUBAI **Sona Nambiar**

Rail is the next area of opportunity in the GCC, according to a senior official from Halcrow, an international consultancy.

"We have hired a market sector specialist to lead our thrust into rail," said David Yaw, Regional Managing Director, Halcrow. The firm specialises in planning, design and management services for infrastructure development.

around Eid. The value runs into millions of dollars and we are hoping that we get the project," added Yaw.

Six consortiums have submitted presentations for Abu Dhabi Metro, according to reports. The shortlisted groups are the Adim consortium, consisting of Coteba of France, Khatib & Alami of the Lebanon, plus four German firms - Hamburg Consult, Obermeyer, ILF Consulting Engineers and

sortium of Aecom of the US, Germany's DB International and Parsons Brinckerhoff (US). UK-based Atkins has linked up with Australia's Bovis Lend Lease in another consortium, while the fifth consortium is Lebanon's Dar Al Handasah (Shair and Partners), Egis of France with Spain's Gestisa and Ineco Tifsa. A consortium of Mott MacDonald and Halcrow of the UK plus US-based Parsons Interna-



A picture of Yas Island. Halcrow is working on Yas Island and is on track to meet the November 1 deadline EB FILE

tional airport. The project is part of a more complex infrastructure and transport improvement project under the Abu Dhabi 2030 Plan.

laying off staff and new opportunities.

—How do you perceive the current market?

—What has changed is the

enquiries are not getting decided. That is a big change. They are mostly from the public sector in Dubai and across the board. The overheating in the industry did



Trains in the Gulf

# Making tracks

DUBAI

European companies hope to prosper from railway mania in the Middle East

**R**AILWAYS have not made much news in the Middle East since Lawrence of Arabia blew up the Hijaz line in 1918. But bosses in the \$165 billion global rail industry have been flocking to the Gulf lately, lured by the prospect of an investment boom. Every country in the region has drawn up plans for ambitious rail projects.

The  
Economist

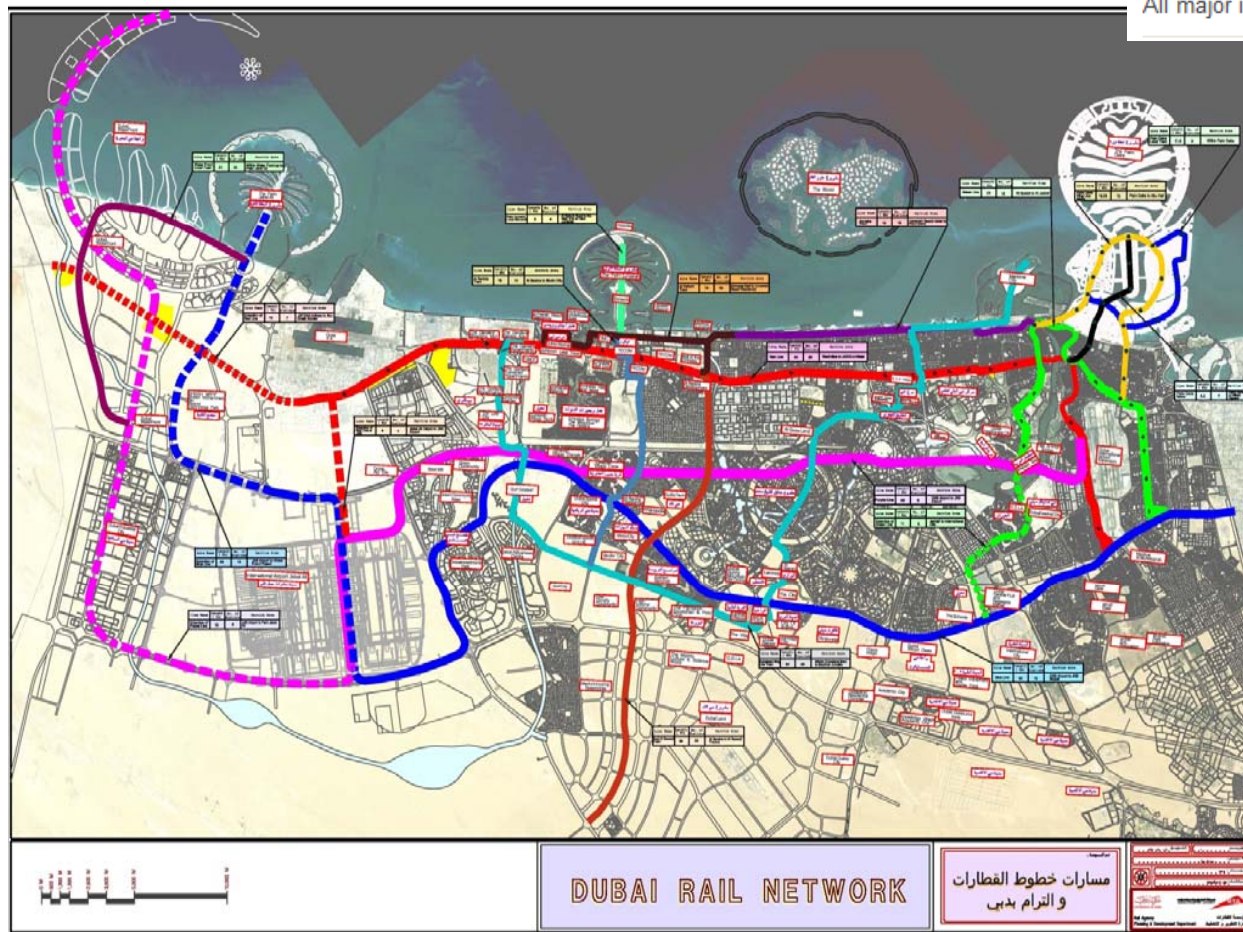


**United Arab Emirates**

## UAE | Traffic and Transport

# Dubai transport authority leads way to growth

All major infrastructure projects on course despite global downturn







## UAE | Traffic and Transport

### Abu Dhabi metro trains to start operation by 2016, trams by 2014

Metro trains will start operating in the capital by 2016 and trams would start operating by 2014, senior officials have said.

By Rayeesa Absal, Staff Reporter

Published: 15:00 March 2, 2009



**Total length by 2030:**

**Metro: 130 km**

**LRT: 340 km**

TRANSPORTATION / NEWS /

Print | Email | Discuss this article (9 Comments) | Share | Facebook | Google+ | Twitter

## Bahrain plans rapid transport revolution

by Andy Sambidge on Tuesday, 26 May 2009

**Bahrain is set to spend billions on a major transport system shake-up designed to help cut the number of fatalities on its roads.**



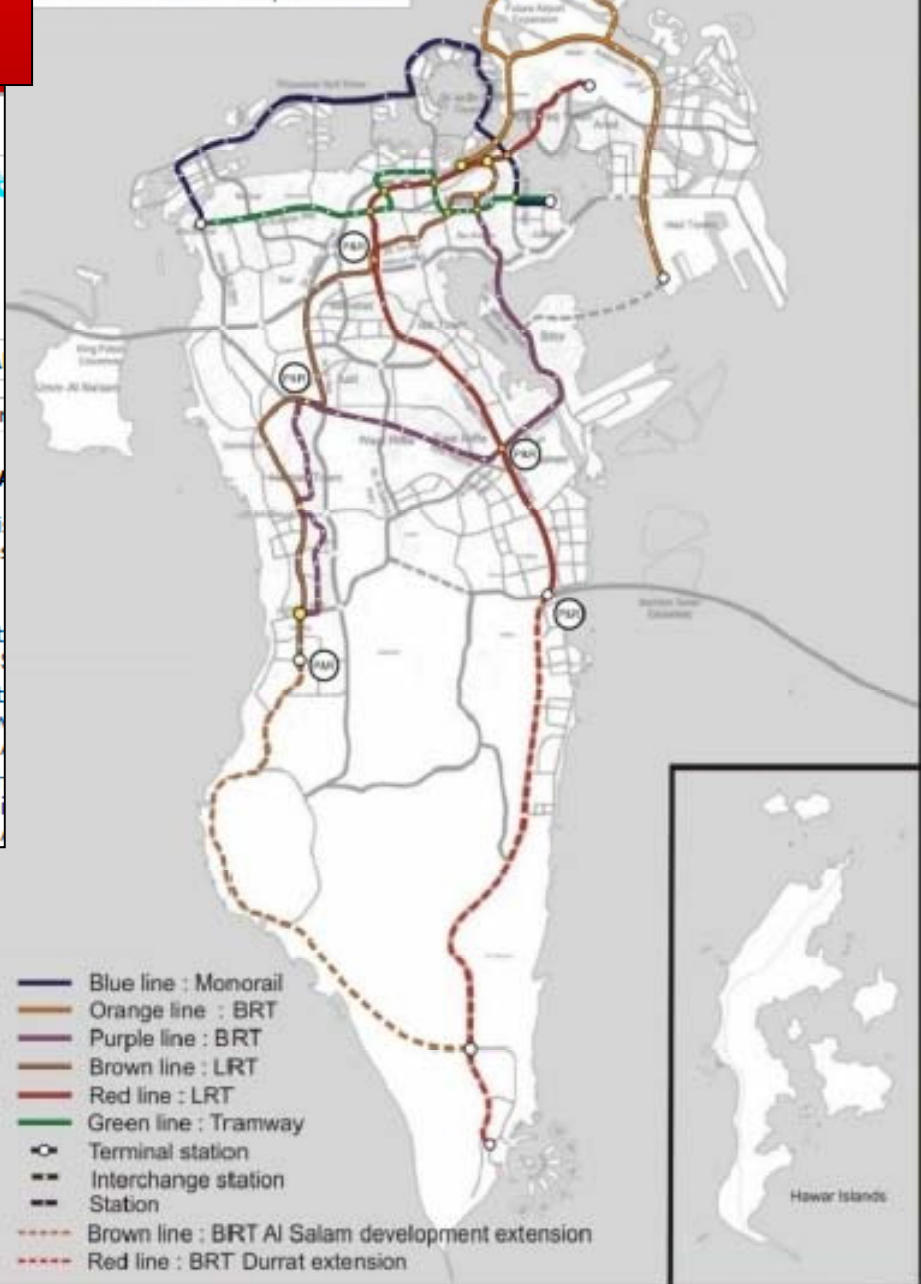
TRANSPORT PLAN: Bahrain is planning to cut the number of deaths on its roads by introducing new rapid transport systems.

Plans include a 180km public transport network comprising light rail transit, a monorail, a tramway and rapid-transit buses, the Gulf state's Works Ministry has announced.

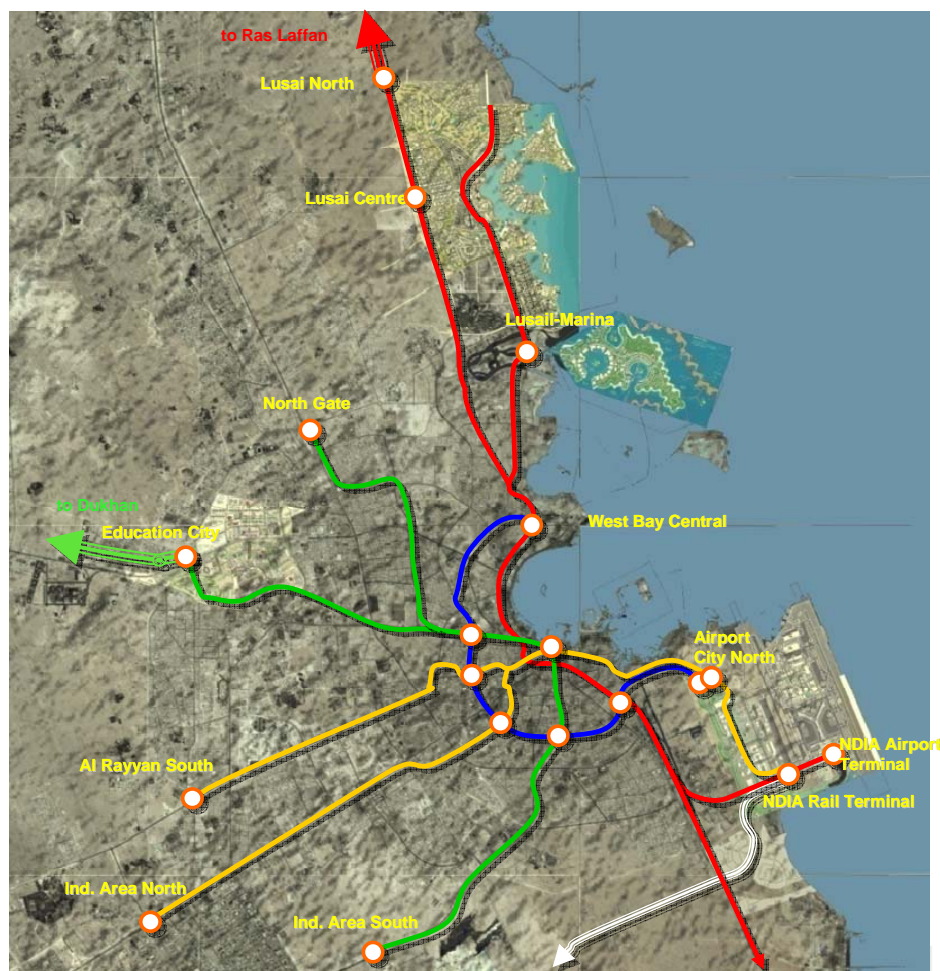
### Bahrain



### BAHRAIN Public Transport Network







## Qatar



## Metro Lines

Number of Lines	4
Track Length	292 km
<i>of which tunnel</i>	69 km
<i>of which elevated</i>	91 km
<i>of which at-grade</i>	132 km
Maximum Speed	
in tunnel/elevated	80 kph
at grade	140 kph
Train Frequency	
inner city	2.5 - 10 minutes
suburbs	30 - 60 minutes
Number of Stations	98
Number of Trains	172

**The Peninsula**

Qatar's Leading English Daily

## Qatar Railway launched with \$100m capital

Web posted at: 10/15/2009 1:34:45

Source :: THE PENINSULA

DOHA: Qatar hopes to have a full-fledged railway system in Doha and outside the city, with links to other countries as well, by the year 2026.

A company named Qatar Railway has been launched with an initial capital of \$100m. "This is just the initial capital. More funds will flow in as time passes by .... The entire railway project has been assigned to Qatari Diar," the company's CEO, Ghanem Saad Al Saad, told reporters on Tuesday.





Forecast Demand		
RT Line	Total Daily Boardings	Total per year
L1	40.276	14.700.616
L2	41.423	15.119.450
L3	49.110	17.925.132
L4	34.188	12.478.540
L2 Extension	24.367	8.894.101
<b>TOTAL</b>	<b>189.364</b>	<b>69.117.838</b>

Line	Length (Km)
Line 1	23.7
Line 2	21
Line 3	24
Line 4	16.4
Extensions Line 1	57.3
Extension Line 2	22.7
<b>Subtotal Lines 1-3</b>	<b>68.7</b>
<b>TOTAL</b>	<b>165.1</b>

Kuwait



## FRONT PAGE

### SR7.5b Makkah project incorporates Light Rail

By Ahmed Wahaj Siddiqi

MAKKAH – A 4.5-km dual-track Light Rail service with a load capacity of 60,000 passengers per hour has been approved to ease traffic congestion in Makkah.

The light train will run all year from Shesha to Ghazza, said Munir Hasan Abbas Sindi, general manager of Doroob Company that has initiated the service as part of a massive project adjoining the Grand Mosque.

Called Darb Al-Mashair, the gigantic SR7.5 billion project includes development of a 1,185,000-sq.km area from Bin Dawood Shesha to Pedestrian Street leading to Mina.

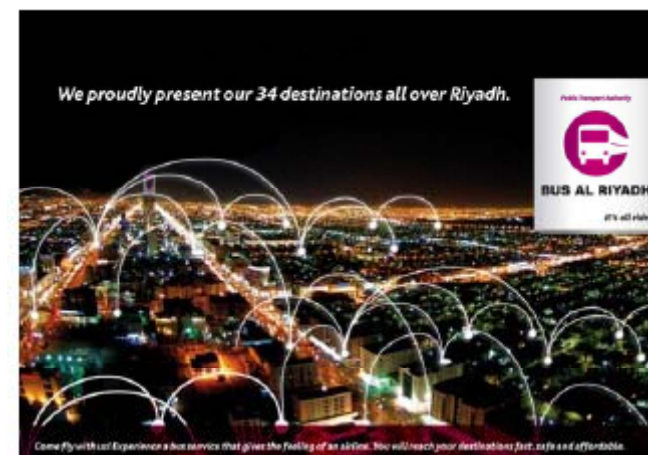
To be developed by 2012 for multipurpose use, including the Light Rail service, the zone will have two 50-story buildings covering 150,000 sq. m., a domed shopping mall of 278,000 sq.m., a 292,000-sq.m. area for hotels, and 293,000 sq.m. for car parking.

Train stations will be built at Shesha and Ghazza, covering 37,000 sq.m. and facing the Holy Mosque, Sindi said The track will be fenced off and pass through

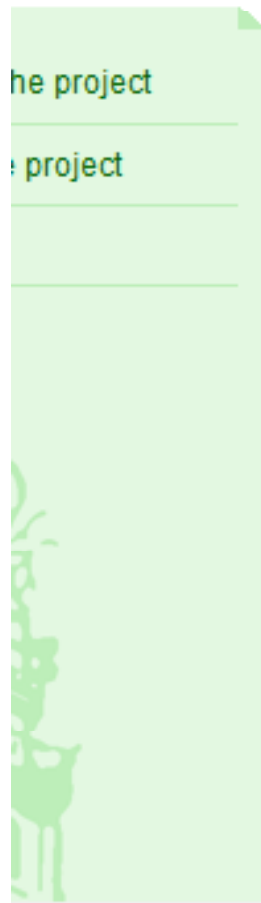


Saudi  
Arabia

## Arriyadh Bus System







## TIME-SCHEDULE OF THE PROJECT

The metro will be running in Damascus in 2016.

- March 2009** • **End of the feasibility study**  
As part of the feasibility studies, final technical, institutional and financial recommendations will be made by the international consultants, before proceeding to the next stage of the project.
- 2009 2010** • **Basic Design**  
A more accurate design phase will be undertaken. The Syrian authorities will also finalise the funding plan, and implement the required institutional reinforcements before reaching the tendering phase.
- 2010 2011** • **Call for Tender**  
This phase will lead to the selection of the future international consortium associated to local partners in charge of the construction of the metro line.
- 2012** • **Detailed Design**  
The retained consortium will complete the design of the infrastructure before starting the construction works.

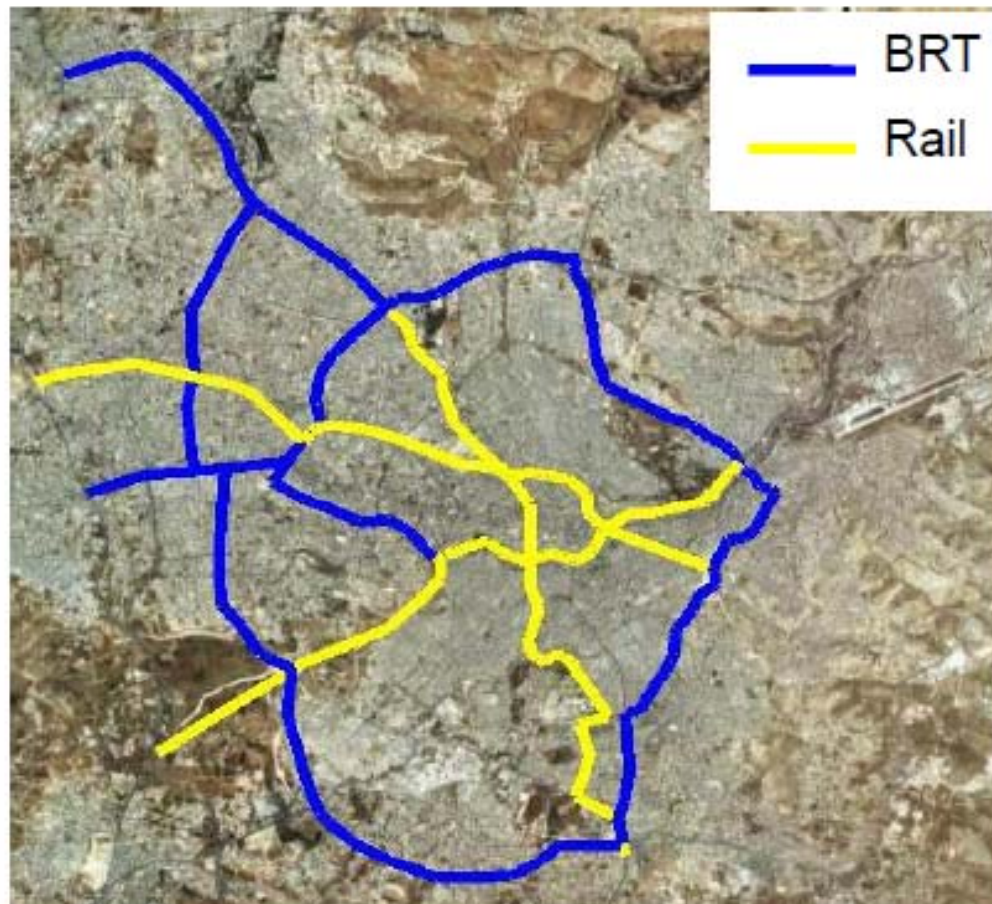
Syria



**Total length by 2016:**

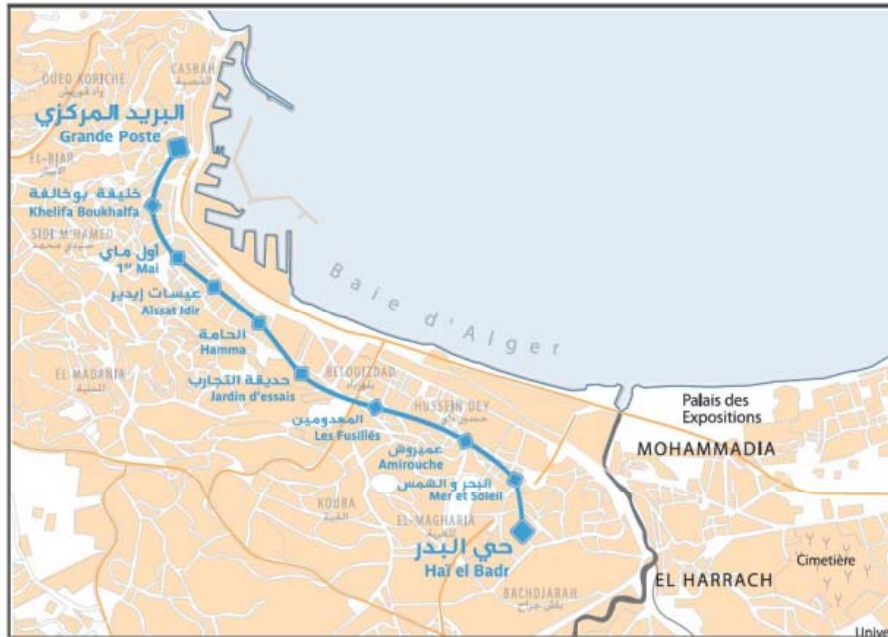
**Metro: 16,5 km**

**17 stations**



	Phase 1 2009- 2015	Phase 2 2015- 2025
BRT	30 km	20 km
LRT/Metro	20 km	20 km
Investment	\$1.5 Billion	\$1.1 Billion





## Algiers' metro

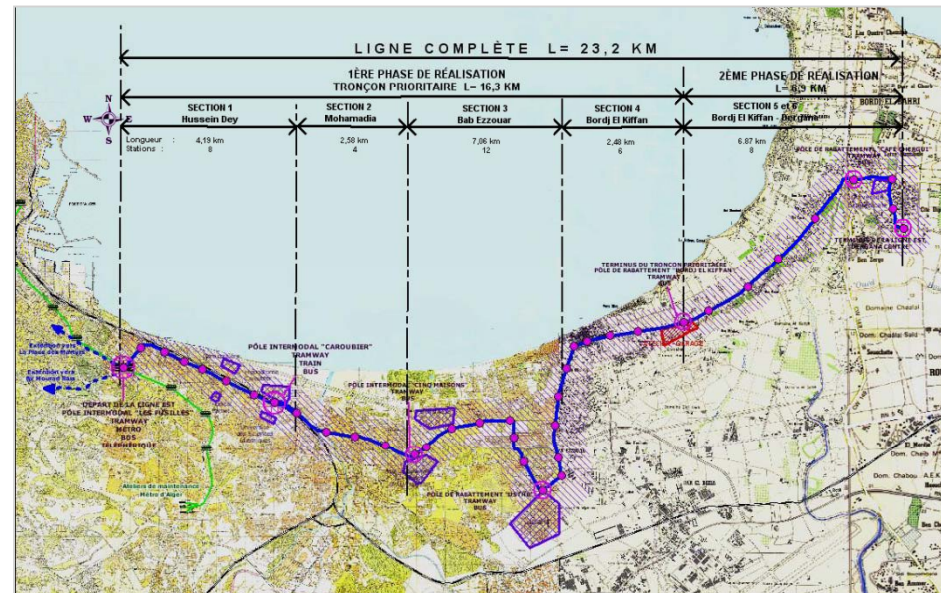


Algeria

- 10 stations (9 underground)  
9 km
- 1.5 million train.km/year with 14 trains  
(6 cars/train)
- Headway : 3'20 (peak) to 10' (off-peak)
- Traffic forecast : 60 million passengers/year

## Algiers' tramway

- 24 km, 38 stations
- Traffic forecast : 25-30 million passengers/year
- Opening date : late 2010 for phase 1 (16 km)



## Tramway Rabat-Salé

### Mise à l'essai du matériel roulant

Publié le : 31.03.2010 | 08h07

*Les essais dynamiques du matériel roulant du tramway devant relier les villes de Rabat et Salé, ont été lancés mardi à Salé.*



Ces essais dynamiques, lancés en présence des médias, ont été effectués sur un axe de près de 2 km à partir du centre d'entretien de Hay Karima, les travaux d'avancement du projet ayant atteint les 80%, conformément à l'agenda établi.



Cette phase d'essais permet de tester le nouveau système sans passagers mais dans des conditions réelles d'exploitation et de vérifier les interfaces entre le matériel roulant, la caténaire et la voie ainsi

# LE MATIN.ma



## Maghrebinfo

Infos du Maghreb et du Monde

Vous êtes ici: [Accueil](#) » [Actualité](#) » La 1ère ligne du Tramway de Casablanca sera opérationnelle d'ici 3 ans

### La 1ère ligne du Tramway de Casablanca sera opérationnelle d'ici 3 ans



Morocco





Tunisia



Tunis  
6 light-rail lines  
already in operation

+ 4 suburban train  
lines (80 km) by 2021



Carlo: H. DLALA (2006)

Source : Ministère du Transport (2007)

# Egypt



3 more lines are planned by 2022

**CAIRO Metro**

- Line 1
- Line 2
- Line 3
- under construction
- planned

2008 © UrbanRail.Net (R. Schwandl)

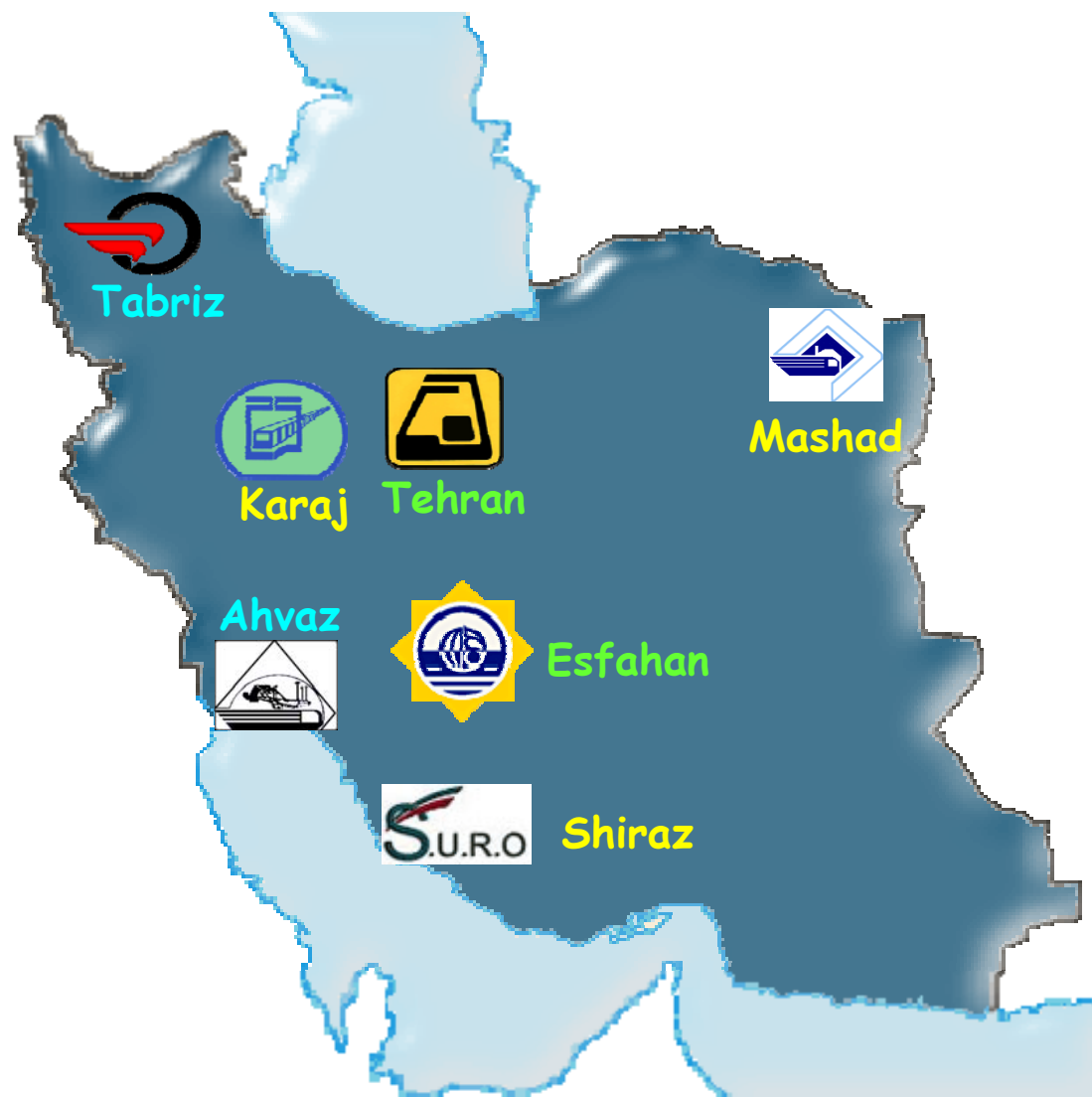






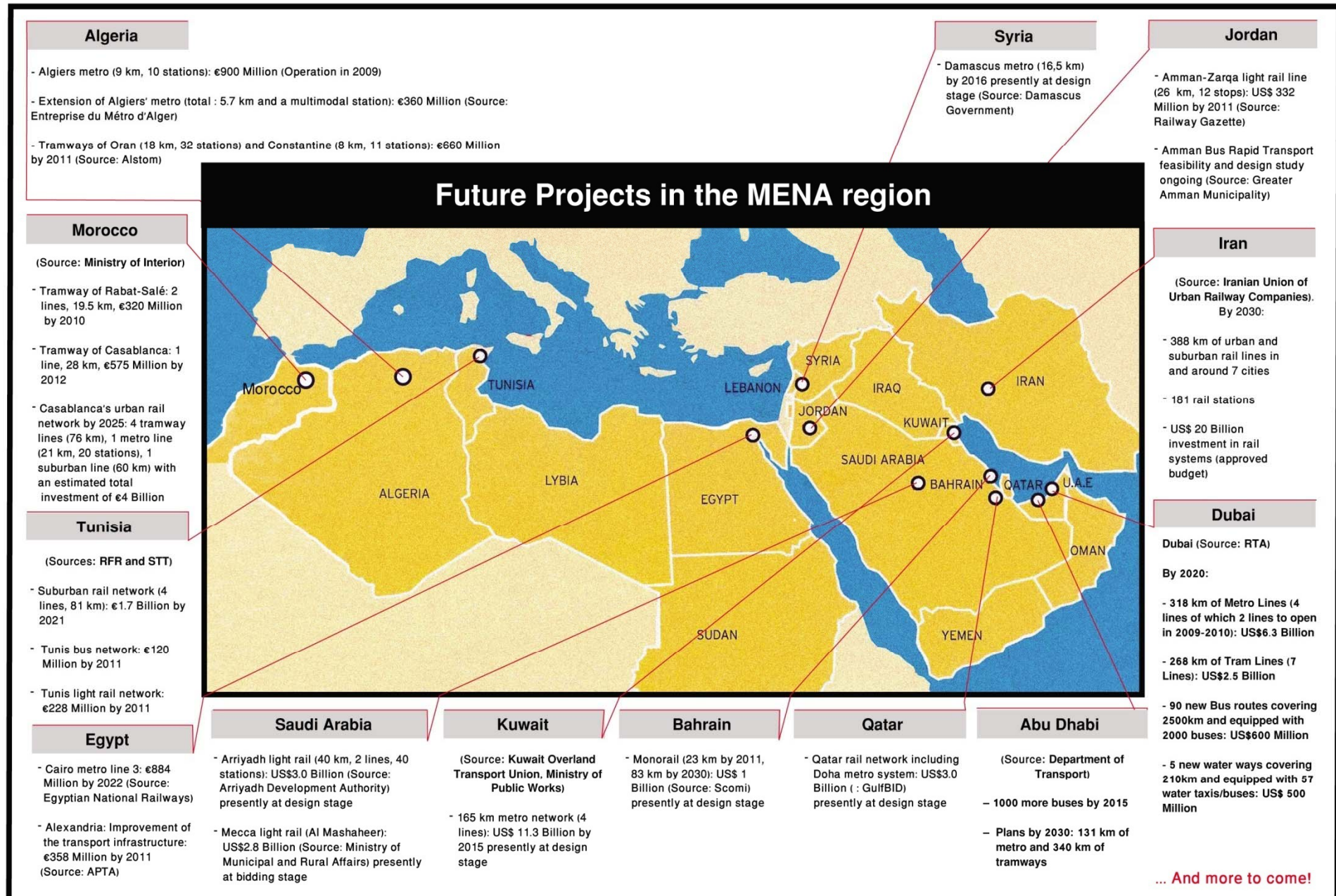
Iran

Tehran	Urban Lines: 8 Express Lines: 4 Length: 430 km
Mashad	4 Lines, 60 km
Shiraz	3 Lines, 50 km
Esfahan	4 Lines, 110 km
Tabriz	3 Lines, 40 km
Ahvaz	4 Lines, 60 km
Karaj	4 Lines, 60 km
Total	Heavy Metro: 251 km
	LRT: 380 km
	Metro Link: 179 km



Iran: Urban rail projects at a glance in 2030

# Promising future for public transport in the MENA region...



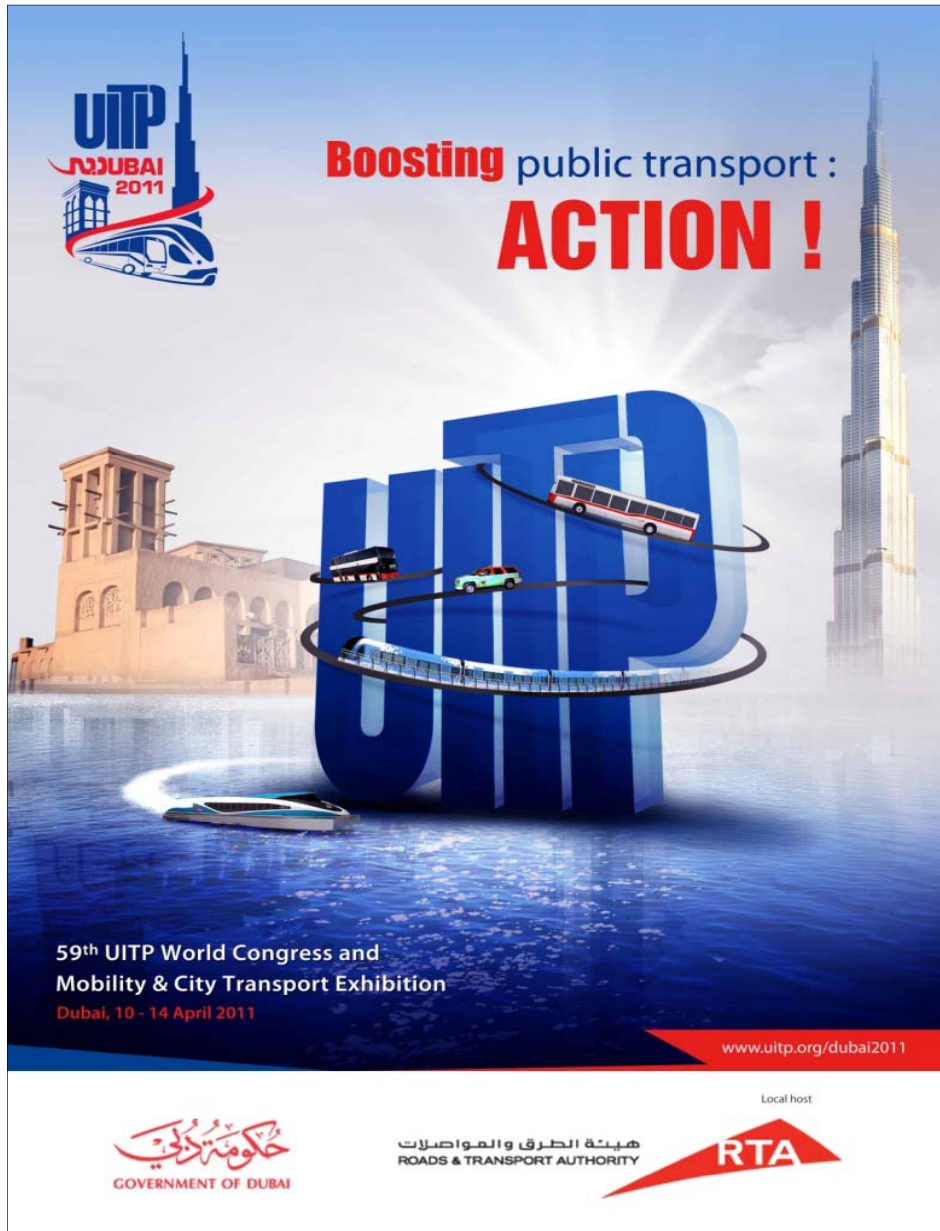


# **Conclusion:**

## **The MENA region is on the right track**



- **Almost ALL large cities have carried out analysis and defined transport master plans**
- **Increased awareness**
- **Strong political will**
- **Capacity to integrate innovations**
- **Rapid decision-making process**
- **Capacity to attract skills**



**Thank you!**

**Mark you calendar:  
Dubai, 10-14 April 2011**

**[www.uitp.org](http://www.uitp.org)**