

Integrating
Public Transport for the
NEXT GENERATION

**3rd UITP MENA
Congress and Showcase**

**1st UITP International
Taxi Conference**

UITP
Middle East
North Africa
ABU DHABI
2012



دائرة النقل
DEPARTMENT OF TRANSPORT

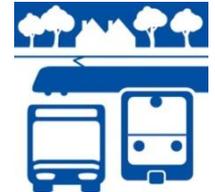




Integrating
Public Transport for the
NEXT GENERATION

**3rd UITP MENA
Congress and Showcase**

**1st UITP International
Taxi Conference**



Cars to public transport

March 26th - 28th, 2012

Abu Dhabi, UAE

Essa Abdul Rahman Al Dossari
Roads & Transport Authority



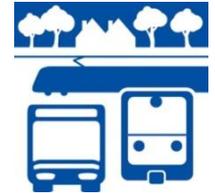
Connecting the world of public transport



Integrating
Public Transport for the
NEXT GENERATION

**3rd UITP MENA
Congress and Showcase**

**1st UITP International
Taxi Conference**



Dubai & RTA



Connecting the world of public transport

Roads & Transport Authority

The Roads & Transport Authority was established in November 2005 by the Government of Dubai

RTA's Vision

Safe and smooth transport for all

RTA's Mission

To prepare legislation and develop integrated solutions of road systems and land/marine transportation networks that are safe and in line with Dubai's economic development plans and the highest international standards

RTA Strategic Plan

1

Integrated Dubai

- Integrate transport planning with economic and urban planning
- Improve coordination with strategic partners
- Improve legal framework for roads and public transport sector

2

Dubai for People

- Make roads and public transport more people-friendly
- Preserve Dubai heritage

3

Customer First

- Improve customer service and interface
- Listen to customers

4

From Cars to Public Transport

- Shift demand to public transport
- Provide effective and convenient road access to all Dubai
- Manage congestion
- Increase Bus/Metro Ridership

5

Safety and Environmental Sustainability

- Reduce number of accidents and fatalities
- Minimize adverse environmental impact of public and private transport
- Effective measures for employee health & safety sustainability

6

Financial Sustainability

- Increase revenues
- Increase private sector participation
- Efficiently deploy financial resources
- Reduce operating costs

7

Advance RTA

- Develop human resources
- Improve organizational efficiency
- Improve processes and systems

8

Asset Sustainability

- Effective & Efficient AM Operations
- High Performing Assets
- Optimal Asset Value

Car Culture

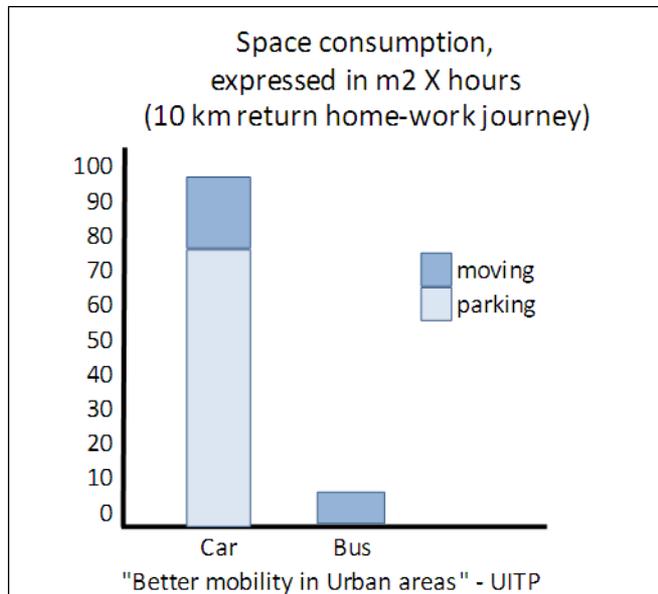
- Dubai is predominantly a “car city”
- Buying car is easy and Fuel is cheap
- Nationals prefer personal automobiles as a symbol of possession
- Women prefer cars and taxis for reasons of privacy
- Affluent expatriates view car as a symbol of status
- Cars are preferred to bus transport because of hot weather conditions most of the year
- Transport policies are ‘soft’

Car Culture

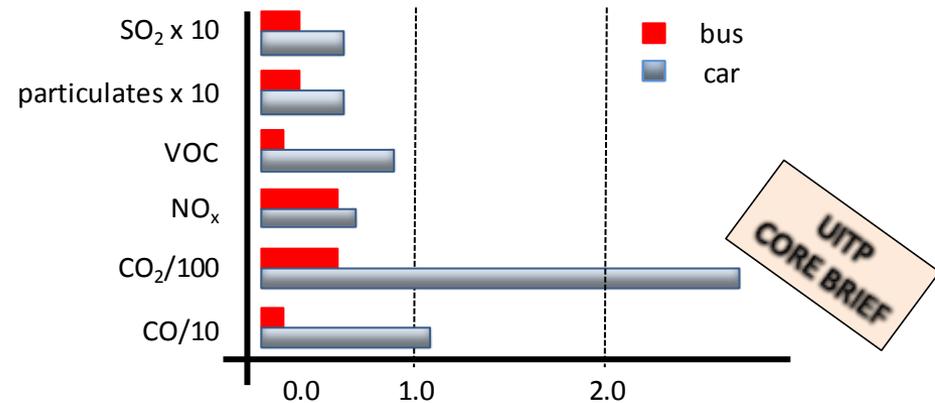
- High car ownership rate – 541 cars/1000 population
- More than a million registered cars
- High pollutant emission level – 13%
- Heavy traffic congestion on CBD and other major roads
- Congestion cost estimated at AED 4.6 million per year
- Road accidents and fatality rates on a high level
 - 20 accidents & 1 death every day

Car Culture

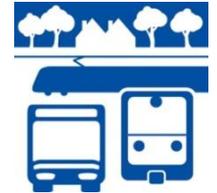
- Cars emit high level of hazardous pollutants



Comparison of specific average emissions (grams/passenger km)



- Cars take up too much of valuable urban space



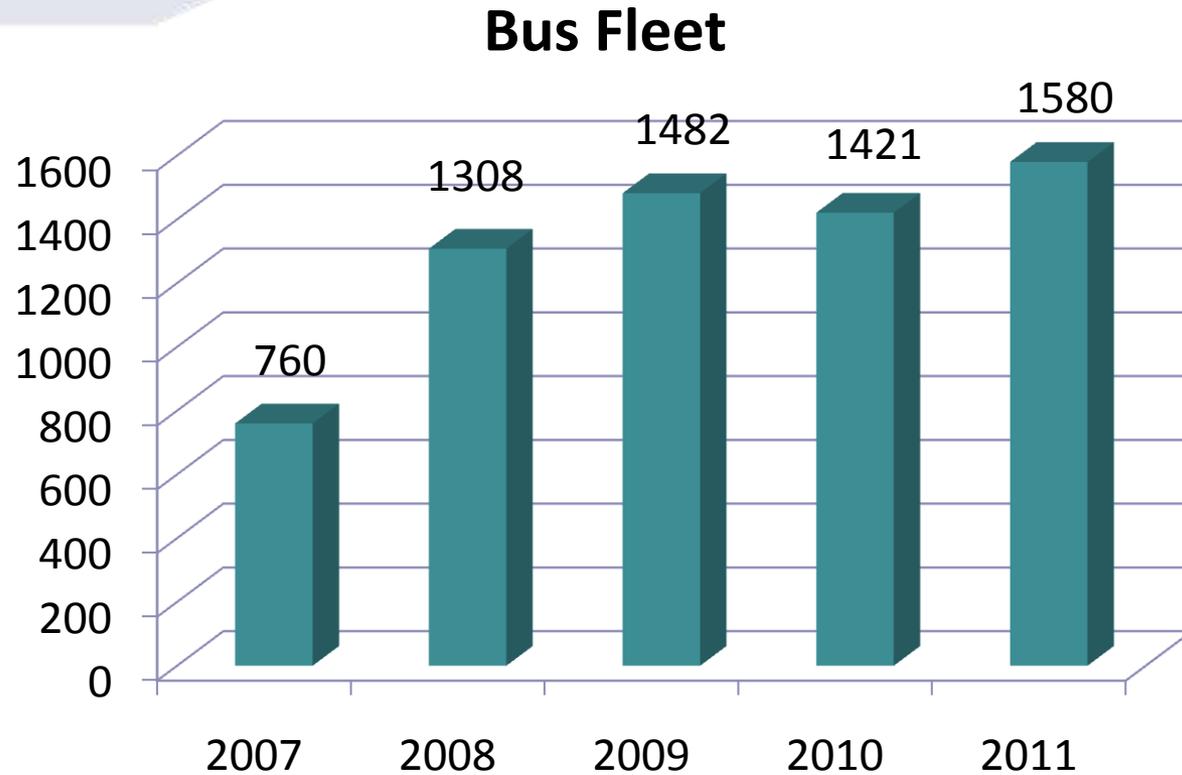
Initiatives

Transit Systems - Buses



- Low floor
- Automatic Multiple doors
- Fully Air-conditioned
- Euro 4/5 engines
- Eco-friendly Fuel

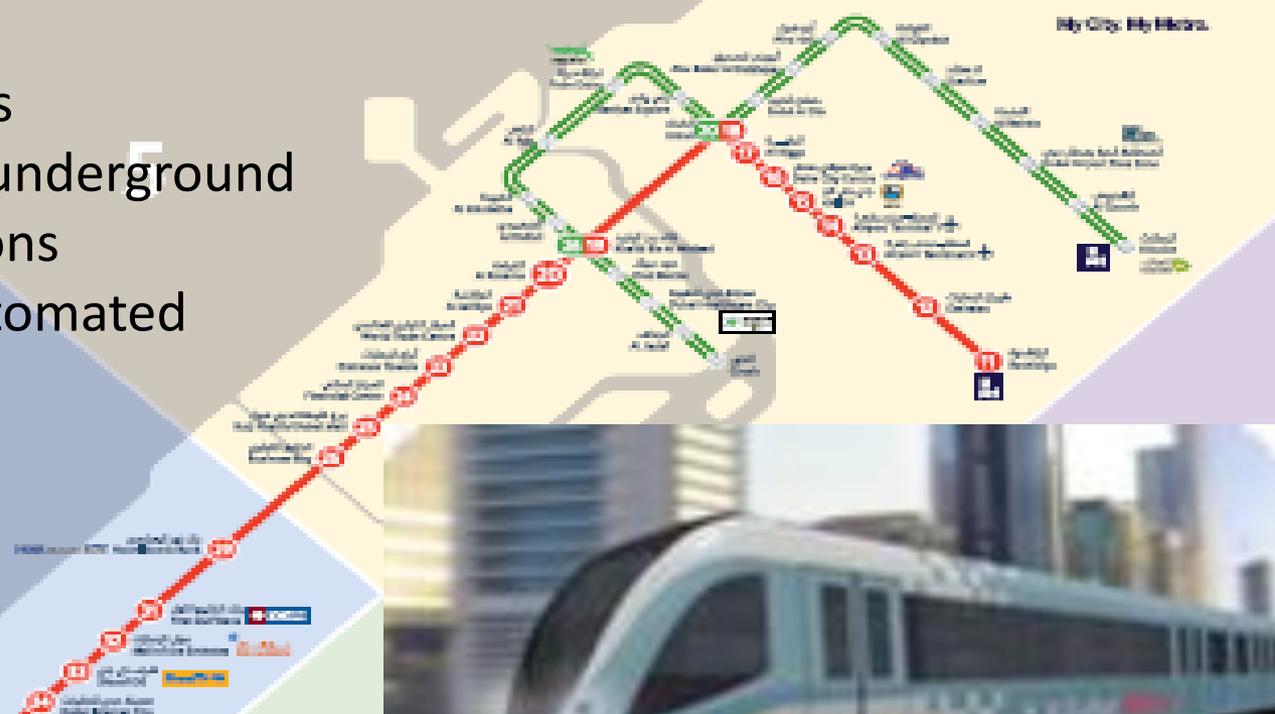
Transit Systems - Buses



Transit Systems - Metro

- 2 lines
- 74.6 kms
- 13 kms underground
- 47 stations
- Fully automated

2



1

	Line 1
	Line 2

Transit Systems – Water Transport



Abras - 149



Water taxi - 10



Water bus - 9



Ferry - 10

TOD Strategies

- Case Study: Union Square Station

The project includes developing a vacant plot next Union station as mix used development to generate increase ridership



Project Design Masses



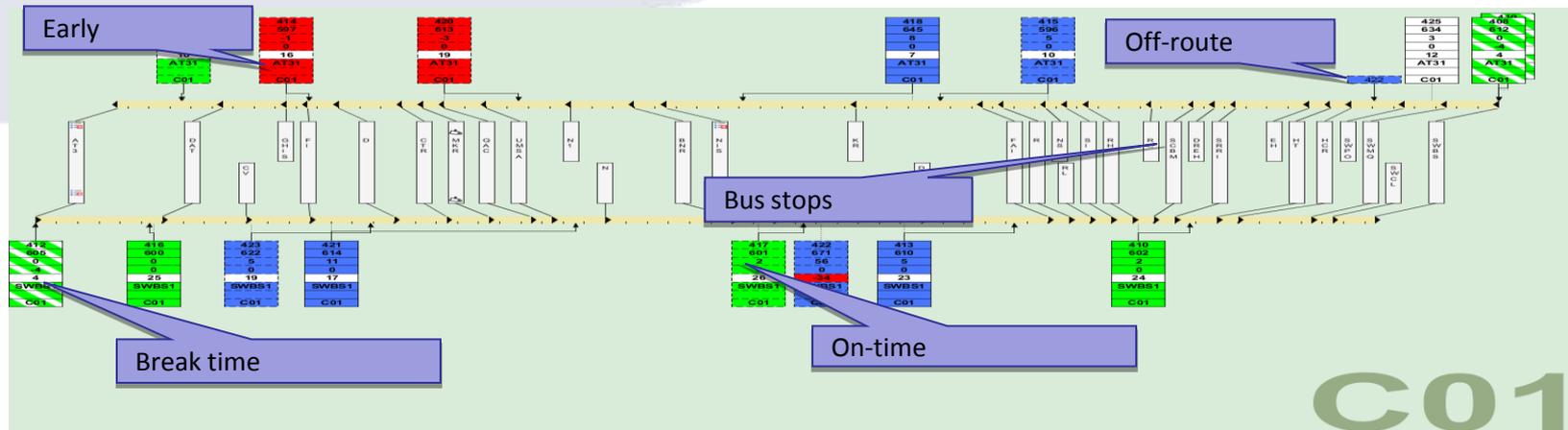
Environmental Canopy

Transit Initiatives – Automated Fare Collection

- Electronic fare collection system based on Check-In-Check-Out (CICO).
- Reduced dwell time
- Reduced the burden on drivers and increase productivity.



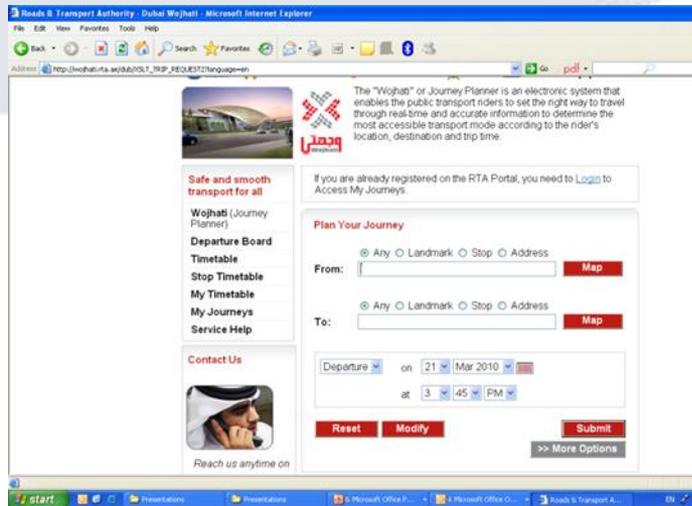
Transit Initiatives – OCC, AVM



- Control & Monitor the schedules adherence (Route & Times) of buses through Satellite Tracking
- Facilitate Real Time Passenger Information
- Guide the drivers in case of road blocks & accidents
- Produce Management Reports



Passenger Amenities



- Wajhati Journey Planner



- 656 wayside air-conditioned passenger shelters; more under evaluation

Bus Priority



- First Phase (5 KM)
 - Al Khaleej Road
 - Al Ghubaiba Road
 - Khaled bin Walled Road
 - Al Mina Road



- Second Phase (3.2 KM)
 - Al Ittihad Road
 - Al Mussala Road

Bus Priority Plans

No.	Corridor	Length	Phase 1		Phase 2		Phase 3	
			Done	Length	Plan	Length	Plan	Length
1	Khalid Bin Walled	1440 m	√	800 m	√	6400 m		
2	AlMussalah Street	3300 m						
3	Naif Road	1100m			√	1100 m		
4	Al Maktoum Road	2400 m						
5	Omer Bin Khatab Road	700 m					√	700 m
6	Salhudin Road	3200 m					√	3200 m
7	Sheik Khalifa Bin Zayed Rd	3500 m						
8	AbuBasker Alsiddiq rd	2780 m					√	2780 m
9	Al Mina Road	2760 m	√	2760 m				
10	Baniyas Road	3000 m						
11	Za'abeel Rd	2000 m						
12	Ittihad Road	2100 m			√	2100 m		
13	Al Mankhool Road	1300 m	√	1300 m				
14	Al Khaleej Road	450 m	√	450 m				
Total		30,030 m		5310 m		9600 m		6680 m

Mobility Management

Initiative	Description
Awsilni	RTA staff transport
Sharekni	Encourage shared trips to increase vehicle utilization
Wojhati	Public Transport Journey planner
School Transport	Regularize the School Transport service to reduce accidents and sustain the service
Mobility Management MOU's	Encouraging Private and Public Sector staff to use staff and public transport modes



Integrating
Public Transport for the
NEXT GENERATION

**3rd UITP MENA
Congress and Showcase**

**1st UITP International
Taxi Conference**



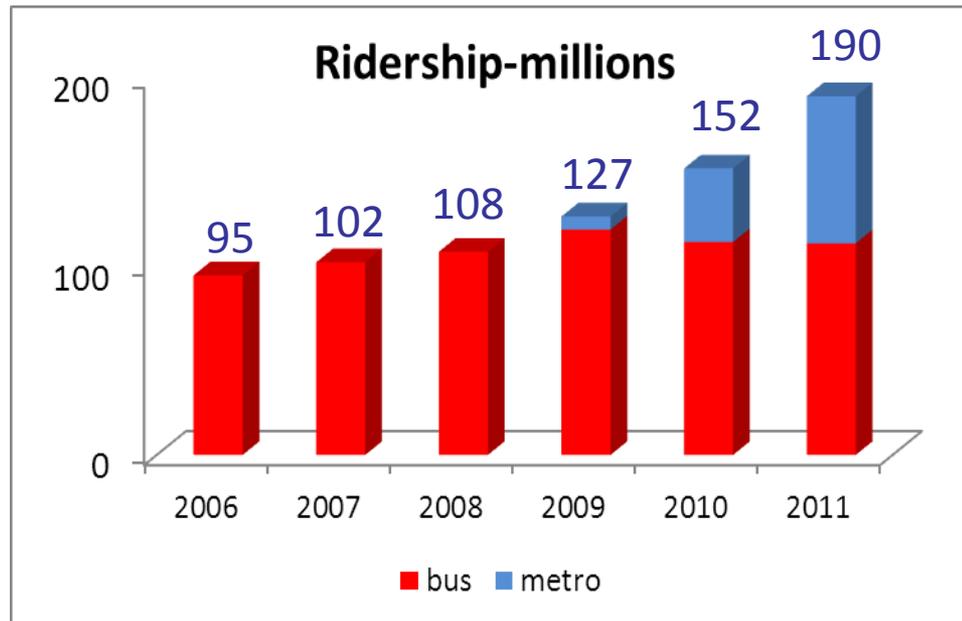
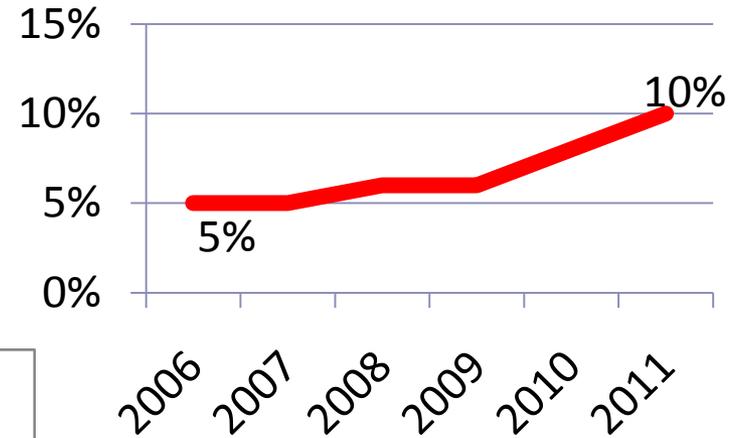
Key Performance Indicators



Connecting the world of public transport

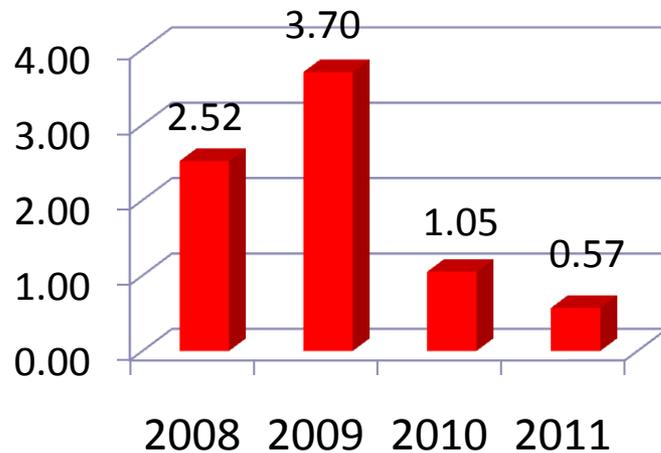
Key Performance Indicators

modal share

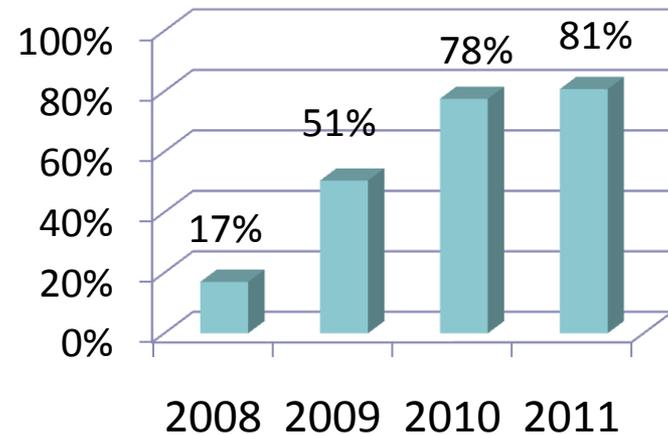


Key Performance Indicators

Accidents/100,000 kms



OTP



Mobility Management

- Decrease in passenger smuggling from 16764 in 2007 to 2536 in 2011.
- Increase public transport modal share to 10%
- Decrease in school transport accident rate by 63%
- Reduction of more than 21 million car trips after implementing Awselni & Sharekni in RTA & among Strategic Partners (equal to 0.9% from total Dubai trips)



Integrating
Public Transport for the
NEXT GENERATION

**3rd UITP MENA
Congress and Showcase**

**1st UITP International
Taxi Conference**



Thank you
www.rta.ae



Connecting the world of public transport