

Sixth Regional EST Forum in ASIA

4 – 6 DECEMBER 2011
The Manekshaw Centre
New Delhi, India

Theme : Sustainable Mobility



Ministry of Transport
Malaysia



Department of
Environment, Malaysia



U N C R D



World Health
Organization

Regional Office for South-East Asia

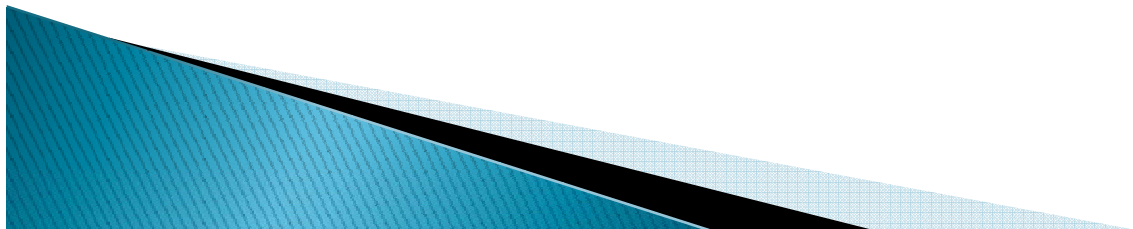


सत्यमेव जयते

COUNTRY REPORT

OUTLINE :

- ▶ Tenth Malaysia Plan (2011 – 2015)
- ▶ Enforcement
- ▶ Government Transformation Programme (GTP)
- ▶ Urban Public Transport
- ▶ National Automotive Policies (NAP) – Hybrid and Electric Vehicles

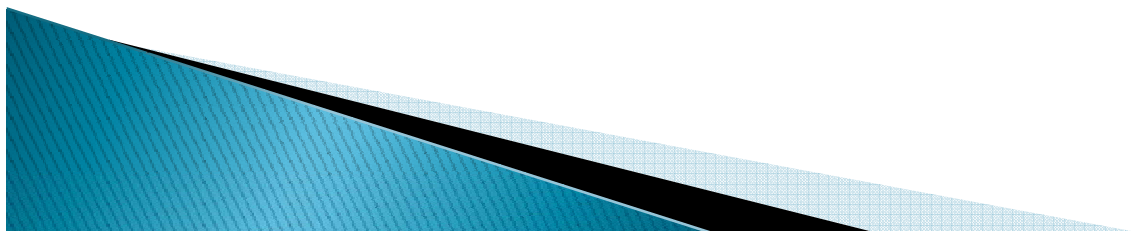


TENTH MALAYSIA PLAN (2011 – 2015)

“The implementation of the Clean Air Action Plan will be intensified”.

Focus Area :

- ▶ Reducing emission from motor vehicles
- ▶ Preventing haze pollution from land and forest fires
- ▶ Reducing emission from industries
- ▶ Building institutional capacity and capabilities
- ▶ Strengthening public awareness and participation



ENFORCEMENT

Current Regulations :

- ▶ Environmental Quality (Control of Emission from Diesel Engines) Regulations 1996
- ▶ Environmental Quality (Control of Emission from Petrol Engines) Regulation 1996
- ▶ Environmental Quality (Motor Vehicle Noise) Regulation 1987
- ▶ Environmental Quality (Control of Petrol and Diesel Properties) Regulation 2007

Vehicle Emission Control :

- ▶ EURO 1 Standards for diesel vehicles and EURO 2 for petrol vehicles
- ▶ Mandatory six month inspection for safety and emission for commercial vehicles
- ▶ Working towards EURO 2 (diesel) and EURO 3 (petrol)

Reduce Emission From Motor Vehicles:

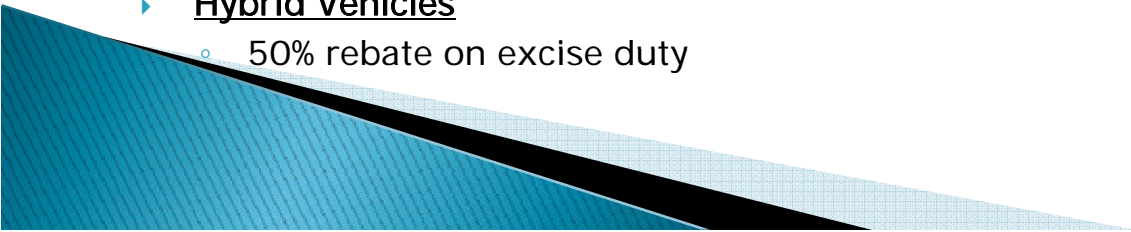
▶ Cleaner Fuel

- Lead free gasoline since 2000
- EURO 2M fuel since 1st September 2009
- EURO 4 (Under discussion)

▶ Alternative Fuel

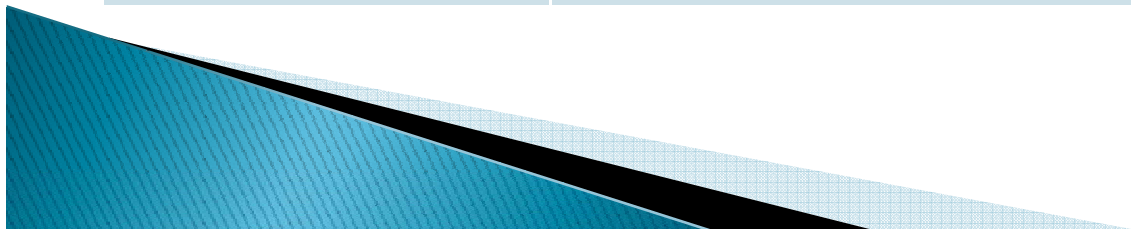
- NGV promoted since 1989. As of 31 May 2011. 58,424 NGV vehicles on the road

▶ Hybrid Vehicles

- 50% rebate on excise duty
- 

NAP – HYBRID AND ELECTRIC VEHICLES

Initiatives	Incentives
Grants on investments in the assembly or manufacture of hybrid and electric vehicles	<ul style="list-style-type: none"> • 10 years of 100 % Investment Tax Allowance (ITA) or Pioneer (PS) – 1 company given approval • Customised training and R7D grants in addition to the existing grants • 50 % exemption on excise duty for locally assembled / manufactured vehicles or provision of grant under the Industrial Adjustment Fund (IAF)
Clear implementation road map	<ul style="list-style-type: none"> • The Ministry of Energy, Green Technology and Water (KETTHA) to undertake roadmap to develop the infrastructure for electric vehicles
Initiatives	Achievement
Granting of Manufacturing License	<ul style="list-style-type: none"> • Grants to undertake the assembly of hybrid and electric given to : <ul style="list-style-type: none"> • 1 car assembler • 2 motorcycle assembler
Cyberjaya and Putrajaya 'Green City'	<ul style="list-style-type: none"> • Fleet test for 200 unit of Electric Cars (Proton) and 100 unit of Electric Motorcycles (Modenas) in Sept 2010

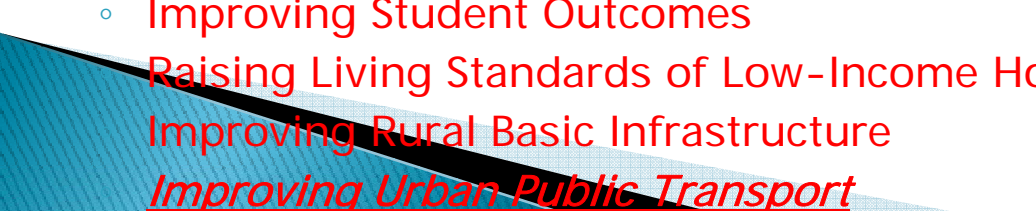


GOVERNMENT TRANSFORMATION PROGRAMME

- ▶ Principles of 1Malaysia, People First, Performance Now.

 - ▶ Objective of GTP is two-fold :
 - First - to transform the government to be more effective in its delivery of services and accountable for outcomes that matter most to the people; and

 - Second - to move Malaysia forward to become an advanced, united, and just society with high standards of living for all. This is in line with the national mission of achieving Vision 2020 – for Malaysia to become a fully developed nation.

 - ▶ Under the GTP, six key priority areas have been identified known as the National Key Results Areas (NKRAs) as below:
 - Reducing Crime
 - Fighting Corruption
 - Improving Student Outcomes
 - Raising Living Standards of Low-Income Households
 - Improving Rural Basic Infrastructure
 - Improving Urban Public Transport
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URBAN PUBLIC TRANSPORT (UPT)

With this in mind, the Urban Public Transport (UPT) NKRA aims to:

- ▶ **Raise the modal share to 13% in 2010 and to 25% by 2012** during the morning peak hours of 7am – 9am in Klang Valley, followed by separate plans to also improve public transport in Johor Bahru and Penang
- ▶ **Improve reliability and journey times**
- ▶ **Enhance comfort and convenience**
- ▶ **Improve accessibility and connectivity** such that the percentage of the population living within 400 metres of a public transport route is increased from 63% to 75% in 2012.

What has been achieved so far

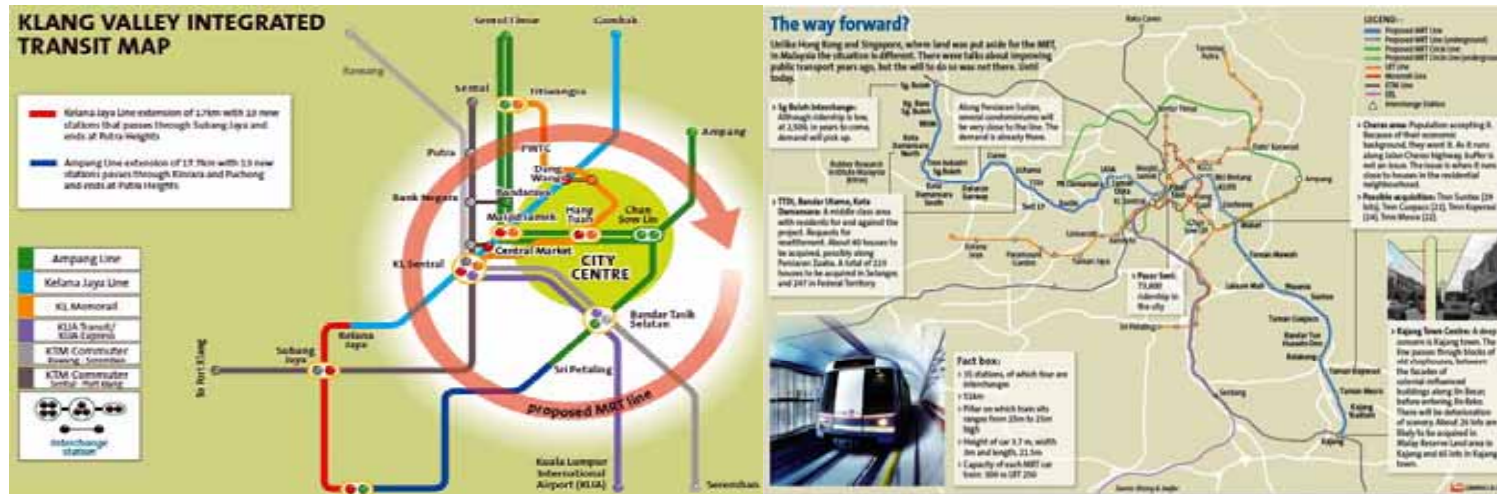
The early results achieved so far have been:

- ▶ **Increase in LRT capacity** with the introduction of 22 four-car train sets on the Kelana Jaya LRT line since put into effect up to December 2010. Around **2.21 million more commuters** have taken the LRT in the first 11 months of 2010.
- ▶ **Reduced journey time of around 30 mins** along the four BET (Bus Expressway Transit) routes in the Klang Valley with increased ridership in all routes.
- ▶ **Integrated Transport Terminal (ITT) in Bandar Tasik Selatan has been completed at the end of 2010** and will divert approximately 500 – 600 express buses from the city centre. The ITT will also act as a key transportation hub (bus, LRT, KTM, ERL, taxis)



URBAN PUBLIC TRANSPORT (UPT)

- ▶ The Klang Valley Mass Rapid Transit (KVMRT) Project. A government of Malaysia project under the greater Kuala Lumpur – Klang Valley National Key Economic Area to improve the public transport system
- ▶ The MRT project is part of an integrated and sustainable transport system for Greater Kuala Lumpur / Klang Valley, whose population
- ▶ is expected to hit 10 million people by the year 2020



URBAN PUBLIC TRANSPORT (UPT)

PROGRESS UPDATES :

BUSES

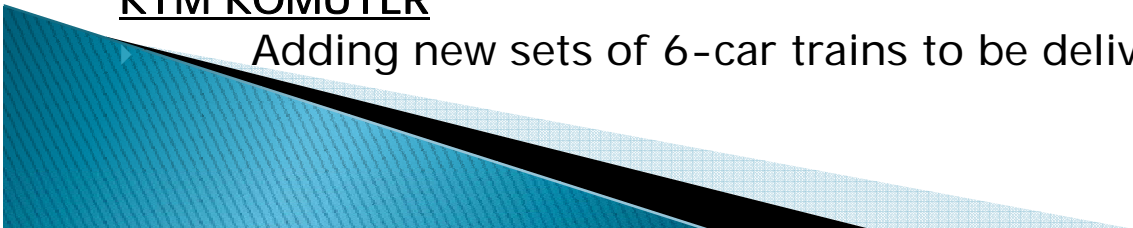
- ▶ The improvement of bus journey times by implementing Bus Expressway Transit (BET) services
- ▶ Dedicated bus rights of way such as bus lanes and Bus Rapid Transit systems
- ▶ Additional new buses on the roads
- ▶ Upgrading of bus stops
- ▶ Implementing integrated smart ticketing
- ▶ Decongesting the city center
- ▶ Introducing performance standard monitoring for all public transport services

LRT

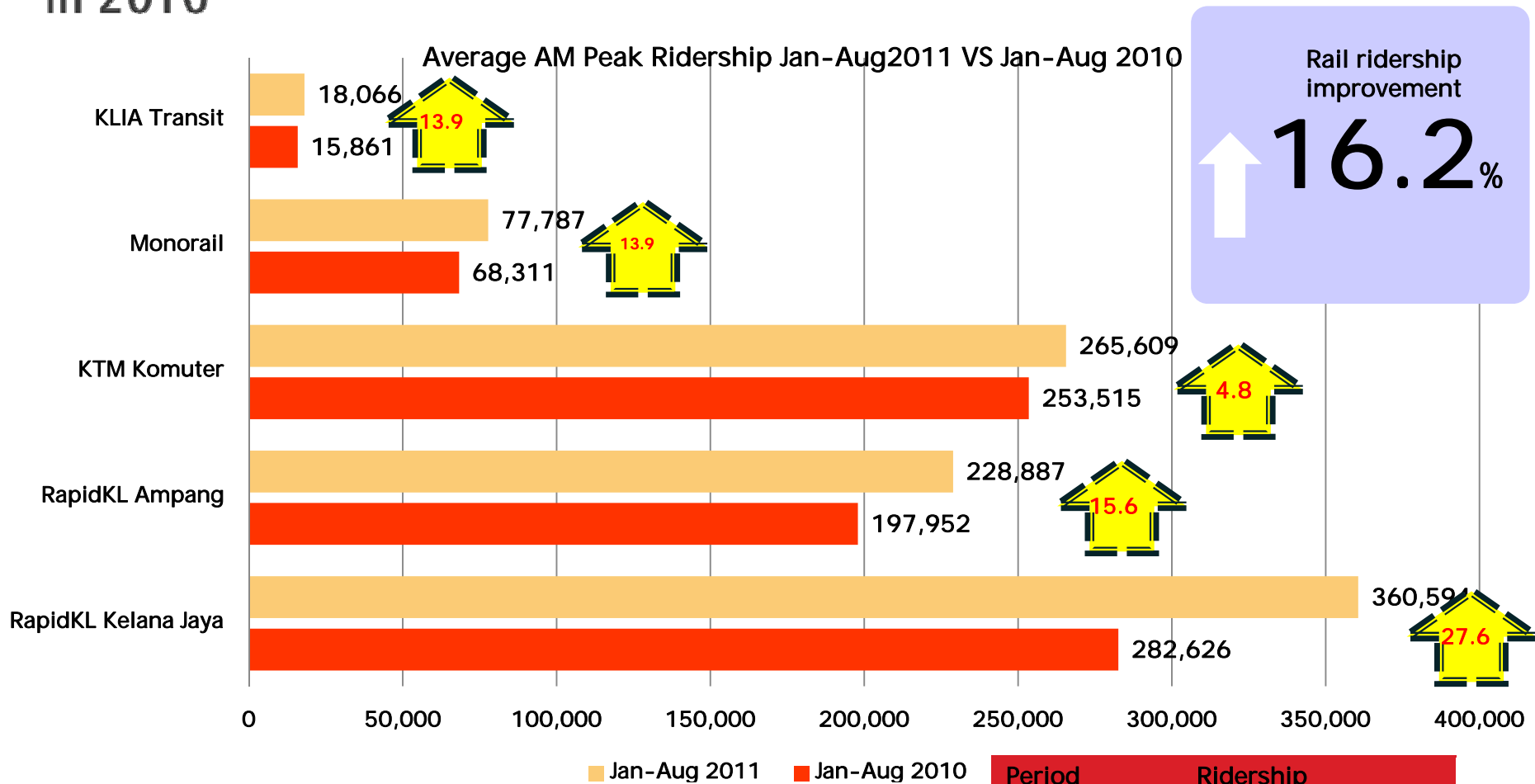
- ▶ New 4-car train sets
- ▶ Interconnectivity between the MRT, LRT and KTM Komuter.

KTM KOMUTER

- ▶ Adding new sets of 6-car trains to be delivered



Cumulative rail ridership Jan–August 2011 compared to Jan–August in 2010



Rail ridership improvement
16.2%

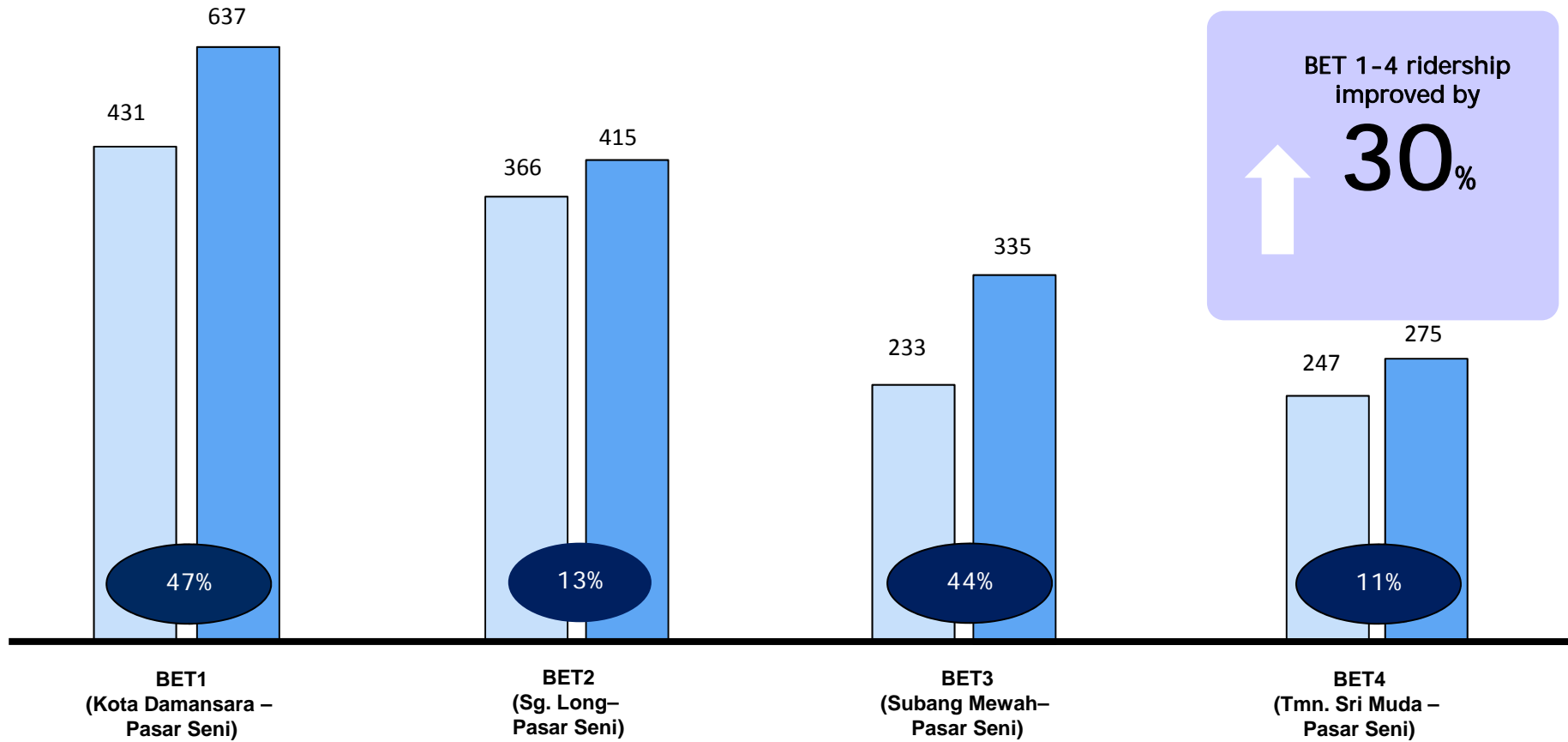
32 new 4 car train set operational since January 2010

Period	Ridership
Jan-Aug 2010	818,265
Jan-Aug 2011	950,943
Increment	+ 131,678 ridership

BET 1-4 average daily ridership for September 2011 has shown improvement over same period last year






BET 1-4 ridership improved by **30%**



September 2010 September 2011

There are three transportation modes element for Greater KL/KV LPTMP

LPTMP Elements		Recommendations
	Urban Rail Development Plan	<ul style="list-style-type: none">▪ Upgrade Komuter service to provide a 'metro' level of service▪ Relieve Komuter bottleneck via freight bypass▪ Introduce new MRT2 and MRT3 lines▪ Subject to future ridership demand - extension of KL Monorail , monorail in Putrajaya, new LRT line between Klang, Shah Alam to Kelana Jaya
	Bus Transformation Plan	<ul style="list-style-type: none">▪ Provide appropriate network to optimise supply and meet current ridership demand▪ Implement real time information systems and journey planner▪ Implement Bus Rapid Transit System▪ Active physical and electronic enforcement▪ Develop integrated fares system that will include rail
	Taxi Transformation Plan	<ul style="list-style-type: none">▪ Improve ride and service quality with new standards of taxi, drivers and operators▪ Develop database of vehicles, drivers and operators*▪ Setup driver training programme*▪ Enable use of priority measures as appropriate*

* These measures are also applicable to bus