

# Civic Exchange

A Community Roundtable

“Making the EV  
Transformation in Hong Kong”

4 February 2010

A Brief Review on What  
We've Done....

# Measures announced in 2009-10 Budget

- ▣ Extending the waiver of First Registration Tax on EVs for five years till March 2014
- ▣ Promoting the setting up of vehicle battery charging facilities
- ▣ Exploring collaboration with EV manufacturers on the promotion, and actively participating in the trials on EVs in Hong Kong
- ▣ Setting up a steering committee under the leadership of the Financial Secretary

# Steering Committee on the Promotion of EVs

- ▣ To recommend a strategy complementary with specific measures to promote the use of EVs in Hong Kong, having regard to the resulting energy efficiency, environmental benefits and the creation of business opportunities
- ▣ Members of the Committee are drawn from the property development, car park operation and power supply sectors, as well as technology institutions, green groups and academia

# Actively participating in trials on EVs (1)

- ▣ Trial on Mitsubishi's EV ("i MiEV") from May to October 2009



## Actively participating in trials on EVs (2)

Trial on two BYD's plug-in dual mode hybrid vehicles ("F3DM") for three months (July to October 2009)



# Enhancing cooperation with EV manufacturers (1)

- Government signed a Memorandum of Understanding with Mitsubishi Motors in February 2009 to promote the use of EVs
- Government signed a Memorandum of Understanding with Nissan Motor in April 2009 to promote the use of EVs



- ▣ The Secretary for the Environment visited Nissan on 16 September 2009 and expressed clear intention to have Nissan EVs launched in Hong Kong as soon as possible.
- ▣ Secretary for the Environment visited Toyota Motor during his trip to Japan in April 2009, and explored the opportunity in promoting the wider use of plug-in hybrid vehicles in Hong Kong.



# Exploring business opportunities on EVs (1)

- ▣ Hong Kong Automotive Parts and Accessory Systems R&D Centre (APAS) established in April 2006 to facilitate the transfer of technology of R&D findings to related industries
- ▣ Over \$20 million funding on eight projects related to hybrid or EVs over the past three years

# Exploring business opportunities on EVs (2)

- MyCar, a locally developed EV, has recently been launched in Hong Kong market.
- For the initial development of MyCar, the car manufacturer received funding support of \$1.9 million from the Innovation and Technology Fund.

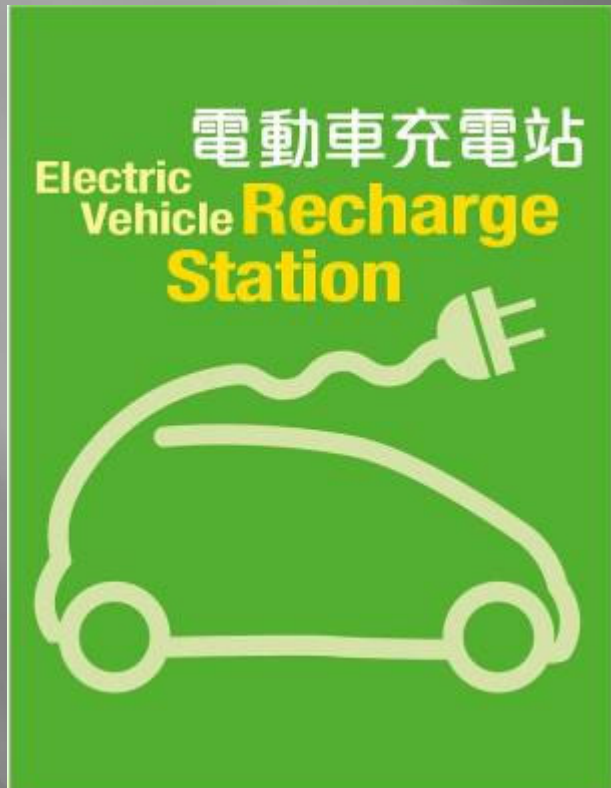


# Setting up battery charging facilities

- On 9 November 2009, CLP Power launched its first two charging stations in Wong Tai Sin Lung Cheung Mall under the Link Management Limited and Yuen Long Fu Shing Building under Wilson Parking.
- Hongkong Electric (HEC) also launched the first charging station at the Peak Galleria on 30 December 2009.



## Setting up battery charging facilities (2)



- ▣ On 1 February 2010, CLP Power launched the first quick charging station at the car park of CLP Centenary Building in Jordon, Kowloon.
- ▣ The Government had also set up charging station in nine Government premises for the trials of “i-MiEV” and BYD “F3DM” last year.

Looking Ahead....

# What will happen in the coming years?

- ▣ Commercial scale production and worldwide distribution of EVs by major vehicle manufacturers by 2011
- ▣ More vehicle manufacturers on board; a variety of models; different power systems (hybrid; plug-in hybrid; pure electric etc.)
- ▣ Countries around the world are busy establishing the necessary infrastructure for the arrival of EVs



# A Snapshot of EVs at Detroit Motor Show (January 2010)



# EV and Hybrid



# Roadmap

for the coming years

# Immediate Term

(before the commercial launch of EVs in the market)

- ▣ Enhance collaboration with vehicle manufacturers, to make available a sufficient number of EVs to key stakeholders in the community for trial, publicity and education purposes;
- ▣ Actively engage in the trial of EVs in Hong Kong;
- ▣ Commence development of charging network;

## Medium to Long Term (1)

- ▣ Closely collaborate with vehicle manufacturers to secure sufficient supply of EVs in the market;
- ▣ Introduce EVs into Government fleet;
- ▣ Encourage private take-up of EVs;
- ▣ Develop larger scale charging network involving both standard and quick chargers, public and private sectors;

## Medium to Long Term (2)

- ▣ Explore business opportunities e.g. R&D and commercialisation of automotive parts and accessory systems;
- ▣ Educate different sectors of the community EV as a green mode of transport;
- ▣ Collaborate with the international community on the promotion of EVs.

How should we action to  
embrace this  
global movement towards  
**GREEN** Transportation?

# (1) Building the Necessary Foundation

<b>Action</b>	<b>Party</b>
<p>To work out strategy complementary with specific measures to promote the use of EVs in Hong Kong,</p>	<p>The Government in consultation with the Steering Committee on the Promotion of EVs</p>
<ul style="list-style-type: none"><li>■ To foster closer collaboration with vehicle manufacturers</li><li>■ To conduct trial on Evs</li><li>■ Collaboration with the international community</li></ul>	<p>The Government</p>
<p>To build the charging infrastructure for EVs, including both quick and standard chargers</p>	<ul style="list-style-type: none"><li>■ The Government</li><li>■ Power Companies</li><li>■ Carpark Operators</li><li>■ Property Developers</li><li>■ Property Management Companies</li></ul>

## (2) Promoting the Penetration of EVs in the Community

Action	Party
<ul style="list-style-type: none"><li>■ To introduce a greater variety of brands and models of EVs into the Hong Kong market</li><li>■ To secure the supply volume to meet the local demand</li></ul>	Vehicle trade
Be the pioneers in the use of EVs to increase its visibility and enhance community's confidence in this new form of transport	<ul style="list-style-type: none"><li>■ The Government</li><li>■ Major corporations</li><li>■ Vehicle fleet operators</li><li>■ Automobile associations</li><li>■ The Media</li></ul>

### (3) EV as a Green Economy Initiative

<b>Action</b>	<b>Party</b>
<ul style="list-style-type: none"><li>■ R&amp;D in EV-related technology</li><li>■ Promotion of EV-related industry</li></ul>	<ul style="list-style-type: none"><li>■ Tertiary Institutes</li><li>■ Relevant quangos (e.g. Science Park, HK Productivity Council, APAS etc.)</li></ul>
<p><b>To work with the business and industrial sectors to explore relevant business opportunities</b></p>	<ul style="list-style-type: none"><li>■ The Government</li><li>■ Business and Industrial Sectors</li></ul>

## (4) Education on EV as a Green Mode of Transport

<b>Action</b>	<b>Party</b>
<b>To educate different sectors of the community EV as a green mode of transport</b>	<ul style="list-style-type: none"><li>■ <b>The Government</b></li><li>■ <b>Education Sector</b></li><li>■ <b>Green Groups</b></li><li>■ <b>The Media</b></li></ul>

LET'S WORK  
TOGETHER FOR THIS  
CAUSE!