



**IGES** Institute for Global Environmental Strategies



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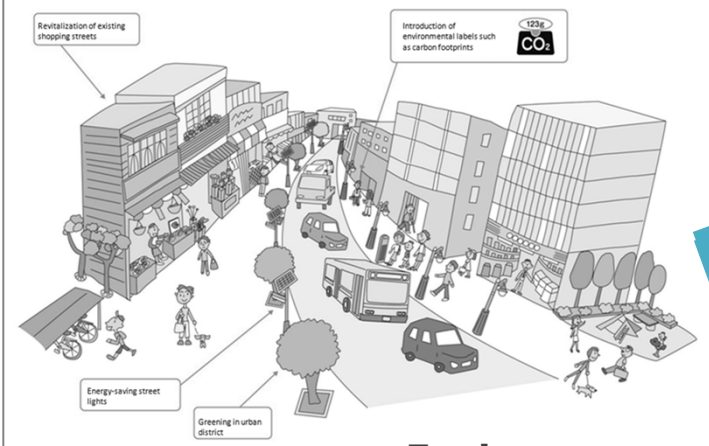
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# Development of Kuala Lumpur Low Carbon Society 2030

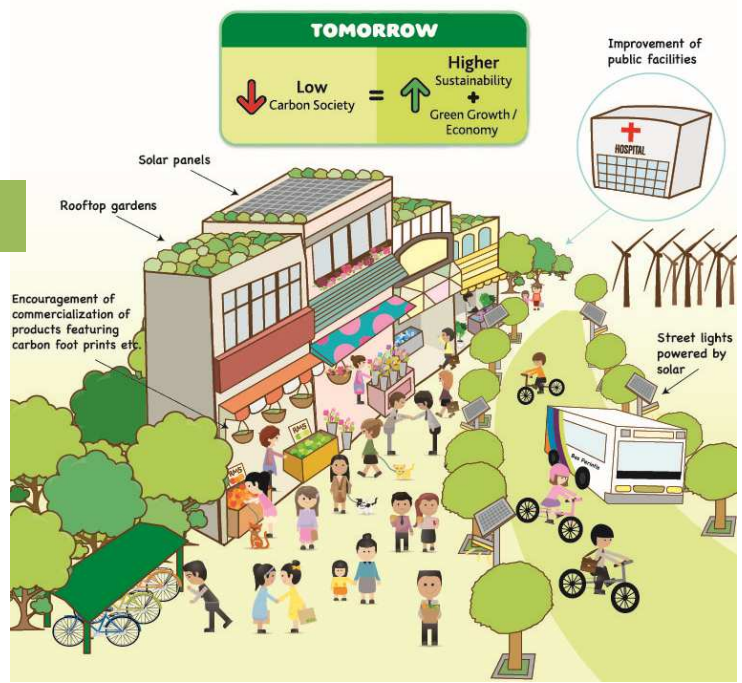
## IMAGES

### of Low Carbon Society

Sustainability



**Today**  
 High Carbon Society  
 Lower Sustainability



**Tomorrow**  
 Low Carbon Society, Higher Sustainability, Green Growth/Economy

Present 2010

Future 2030

Year

# Why Low Carbon Society?

## Malaysia Commitment

Speech by Datuk Seri Najib Tun Razak, Prime Minister

"... Malaysia is adopting an indicator of a voluntary reduction up to **40% in terms of emission intensity of GDP** by the year 2020 compared to 2005 levels."

**17th December 2009**



"... Reduction up to **45% in terms of emission intensity of GDP** by the year 2030 compared to 2005 levels as indicated in INDC submitted to COP21 ."

**COP21 Paris December 2015**



## Global Citizens + Responsibilities

For the Earth, For Our Future Generation

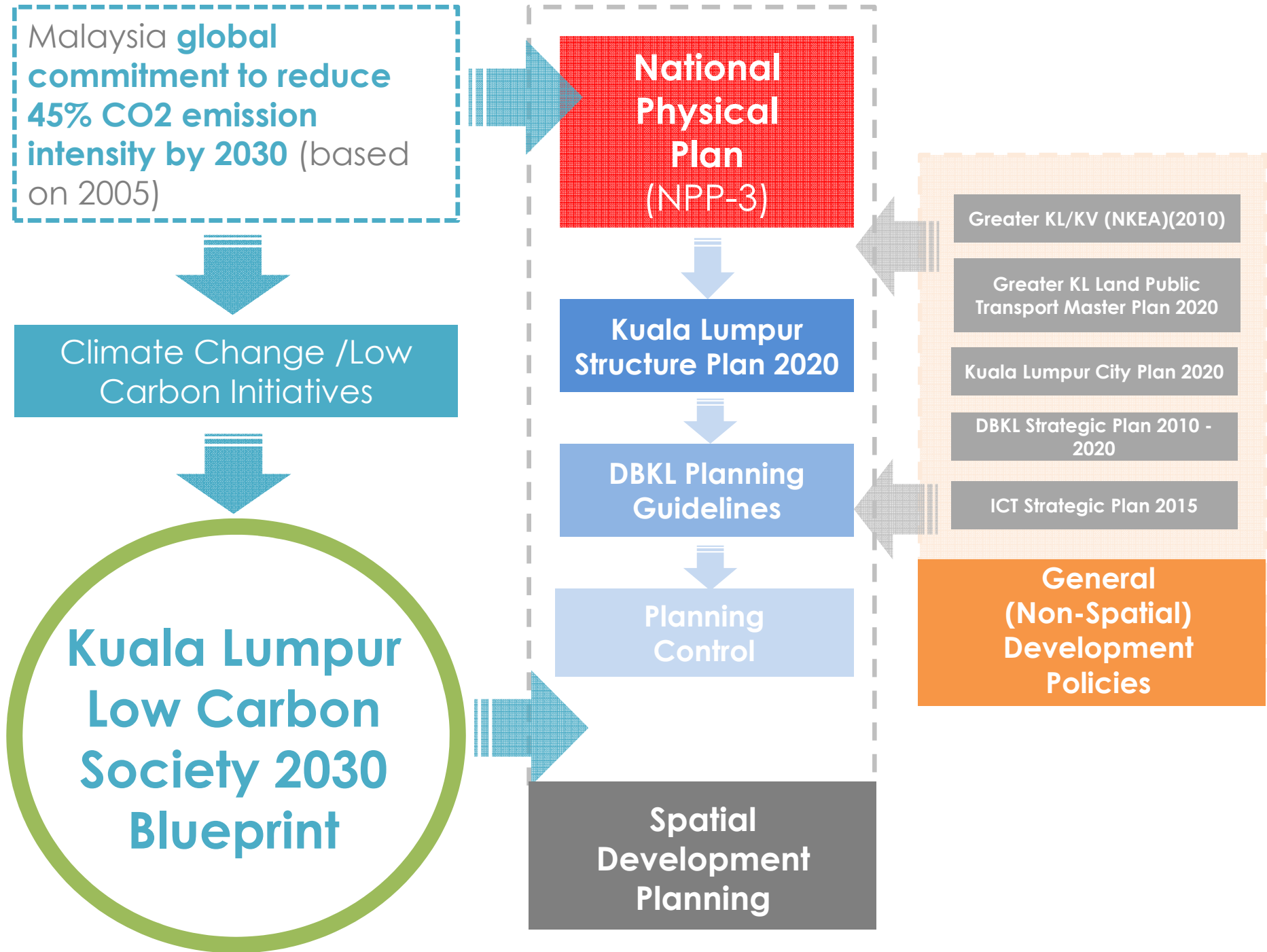


**Green as New Consumer Culture, New Market, New Growth (KeTTHA Initiatives)**



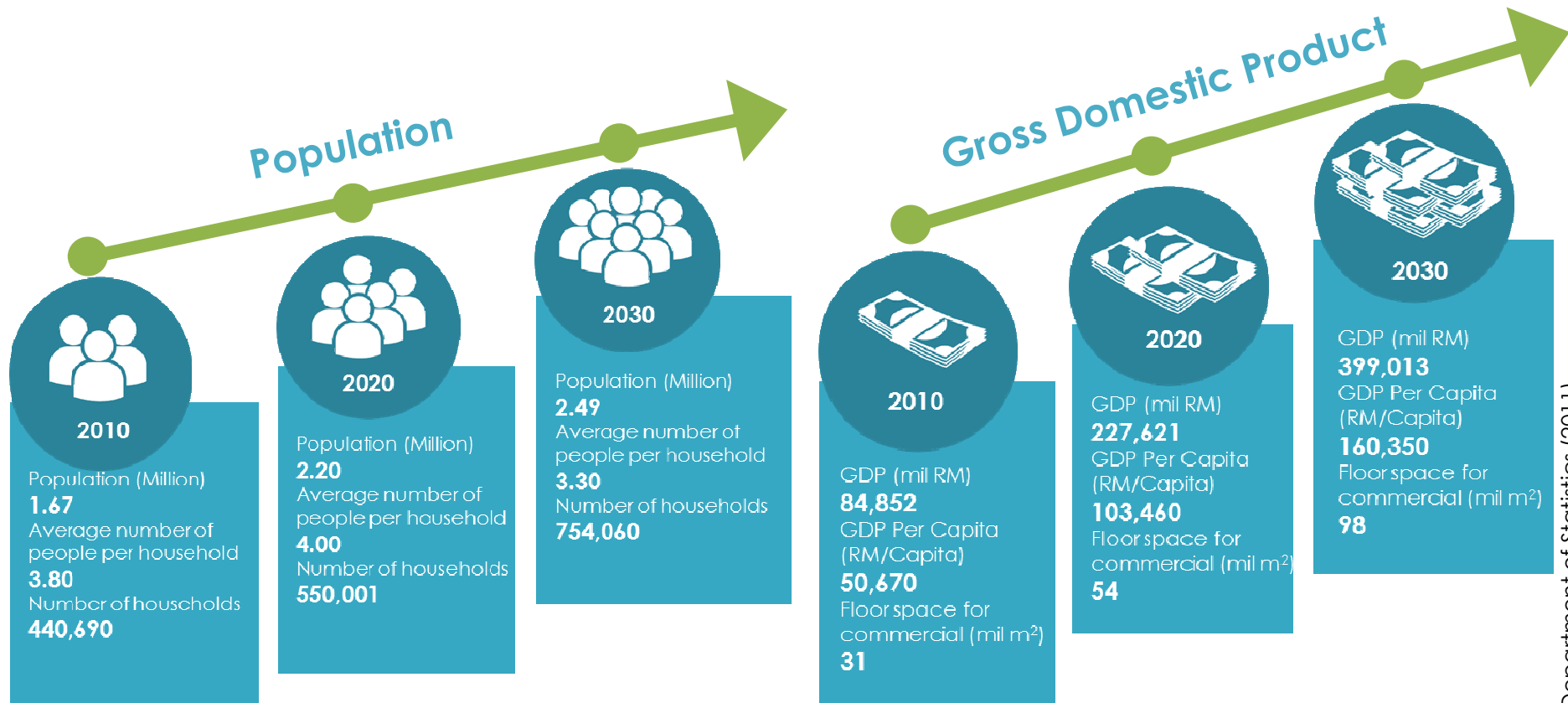
## Money Saving

Energy conservation and Renewable Energy



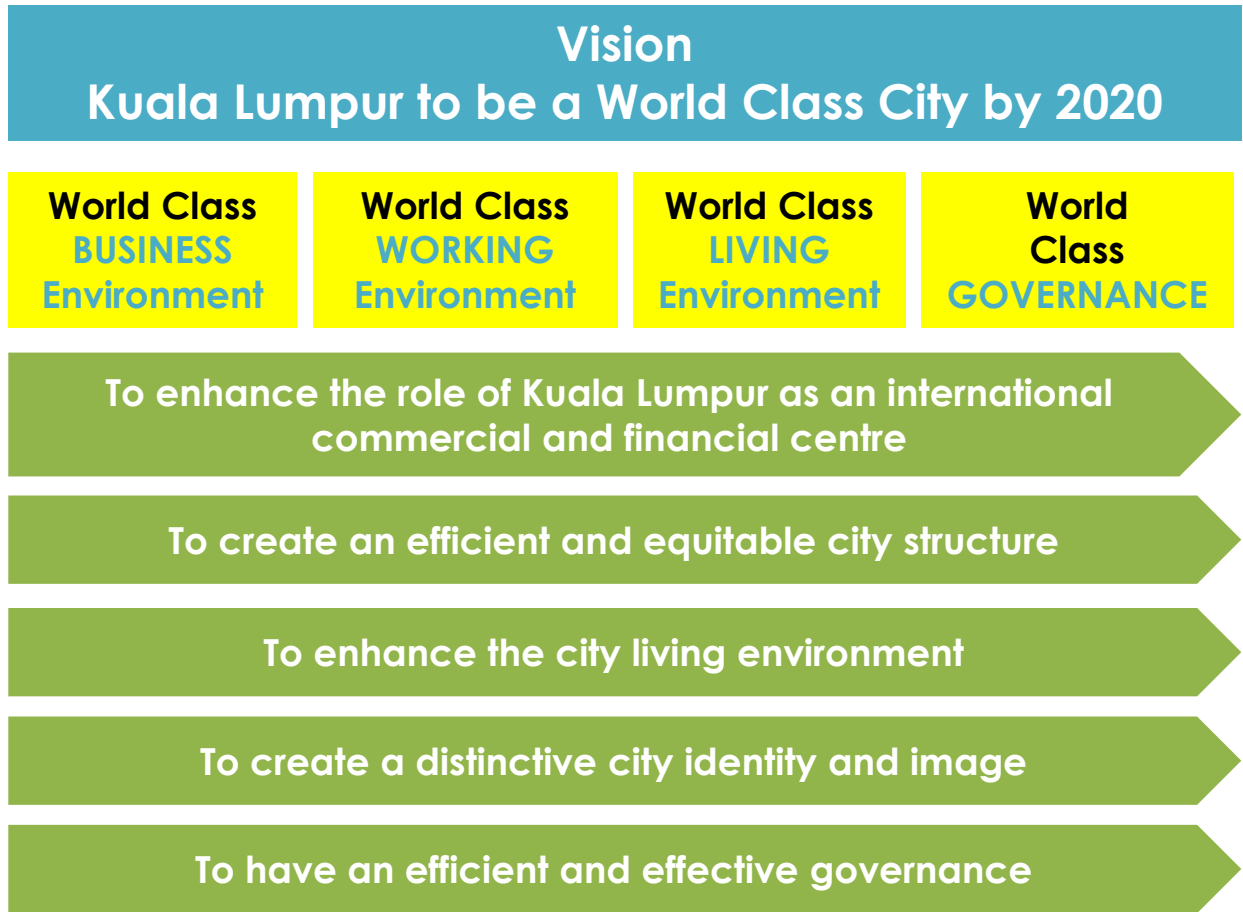
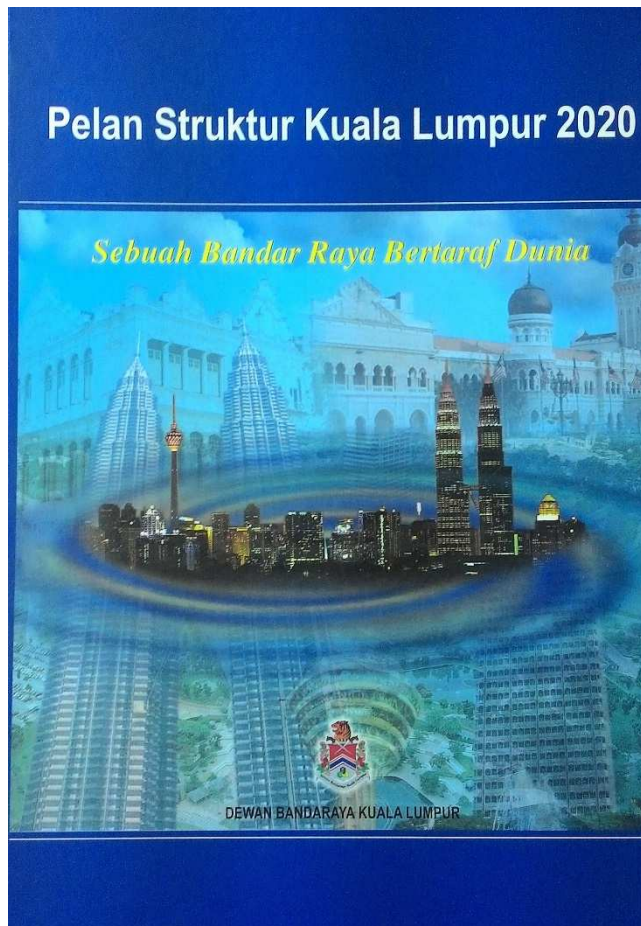
## 2.0

# Kuala Lumpur 2010-2030 Scenarios



# 3.0

## Kuala Lumpur Structure Plan 2020



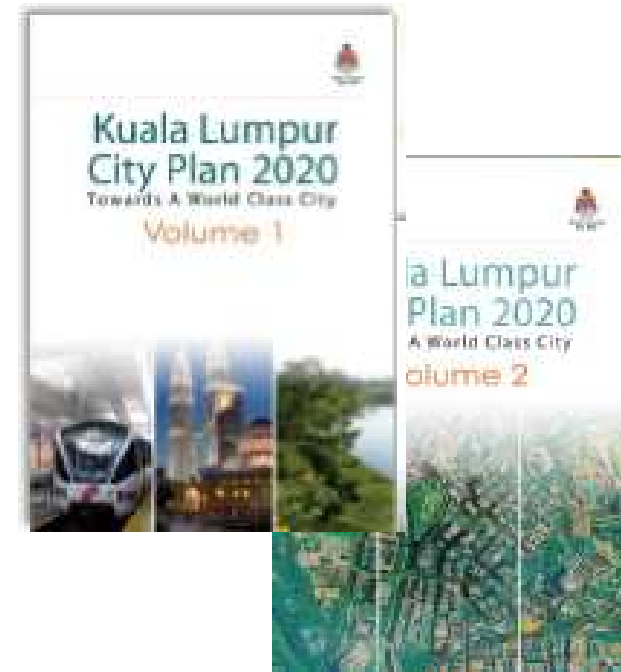
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## Kuala Lumpur City Plan 2020

8

### Development Thrusts

1. Dynamic world Class Business City
2. Connectivity & Accessibility
3. Sustainable Land Use
4. City Living Environment
5. Protecting & Enhancing the Environment
6. Enhancing Green Network & Blue Corridor
7. Distinctive Image & Identity
8. Green Infrastructure



24

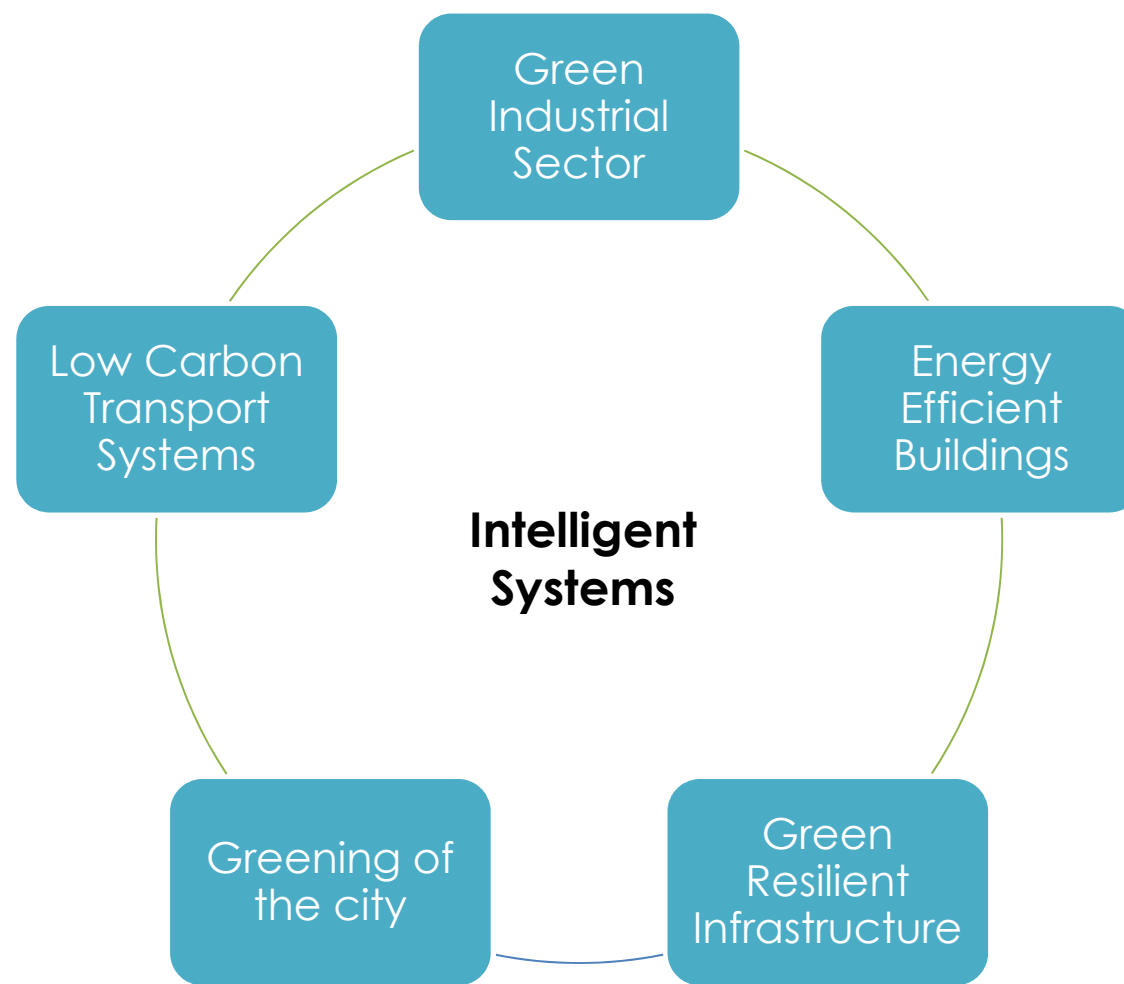
Strategic Directions

73

Key Initiatives

# 5.0

## Smart Cities – Green Initiatives





# 6.0

## Greening Urban Sectors: Kuala Lumpur Initiatives



- Rail system
- Bicycle lane
- Bus system
- Pedestrian Network

### Transport



- Energy –efficient buildings
- Euro5 NGV for Public Transport

### Energy



- Green Building Index (GBI)

### Buildings



- Integrated Transport Information System (ITIS)

### Infrastructure & Digital Technology



- Reduce Reuse Recycle 3R program

### Waste



- River of Life
- Rain water harvesting

### Water



- Open spaces
- Tree Planting
- Vertical green
- Community garden
- Preserving Forest

### Environment

# 7.0

## Profile Development of Kuala Lumpur Low Carbon Society 2030



**Consultancy and Research Team:** Universiti Teknologi Malaysia (UTM), Kyoto University (KU), Okayama University (OU)

**Joint Coordinating Committee:** Kuala Lumpur City Hall (KLCH)

**Study:** Kuala Lumpur, Jurisdiction area fall under Kuala Lumpur City Hall

**Period:** 2016-2017

**Base year:** 2010

**Target year:** 2030

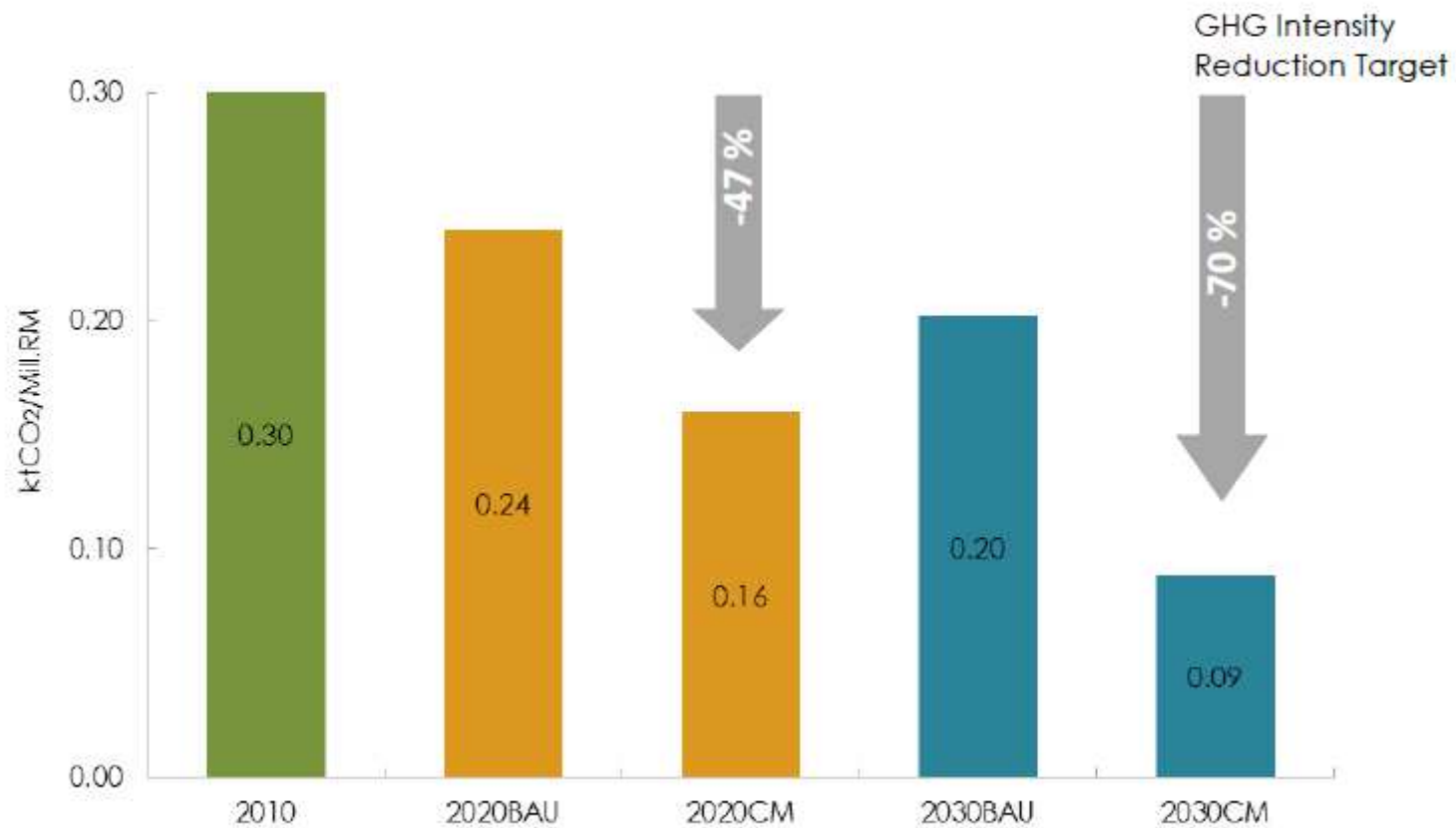
### **Objective:**

To integrate existing plans and projects in the city of Kuala Lumpur that relate to climate change mitigation and low carbon measures into a comprehensive framework for implementation towards cutting the city's CO<sub>2</sub> emission intensity by 70% by 2030 without compromising the city's vision and economic growth targets.

## 9.0

## Key Finding : Kuala Lumpur GHG Emission

## GHG Emission Intensity of GDP



10.0

Focus Group Discussion



Community engagement is a key component in the preparation of the Kuala Lumpur Low Carbon Society Blueprint 2030

## 11.0

### The Way Forward

- ❑ Cities are the main contributors to greenhouse gases (GHGs) emissions but also the key solution to combating climate change.
- ❑ Kuala Lumpur as the primary city of Malaysia is committed to significantly contribute to achieving the national GHG reduction target.
- ❑ Low carbon society is the way forward to a world class, prosperous, liveable and sustainable Kuala Lumpur.
- ❑ Good scientific research is cornerstone to the formulation and effective implementation of LCS policies.
- ❑ LCS policies that are built on rigorous science are effective for realising GHG emissions reduction.
- ❑ Community engagement and consensus building are pivotal towards ensuring successful LCS strategies
- ❑ Highest-level government support greatly expedites LCS science to LCS actions.



*Thank you for your attention!*

Thank You Terima Kasih 谢谢 धन्यवाद ありがとう