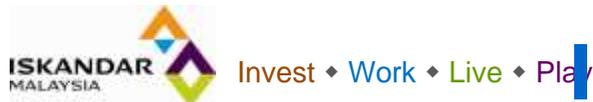




# Iskandar Malaysia

Eco-Cities Network South East Asia

by Fuad S Salleh, Vice President  
Planning & Compliance



a presentation by



# Introducing, Iskandar Malaysia



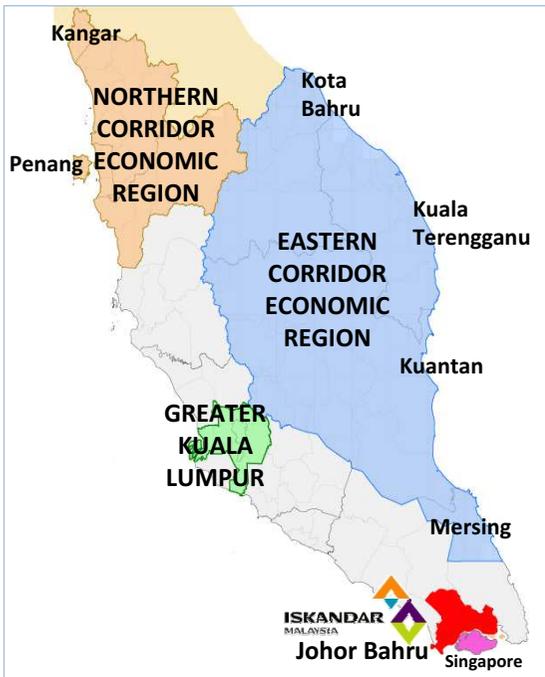
- ✓ Lies at the heart of SEA at the southernmost tip of West Malaysia within minutes from Singapore
- ✓ Located at the cross roads of East-West trade lanes
- ✓ Centrally located in the heart of East Asia



# Iskandar Malaysia is not just one city

Iskandar Malaysia is a regional economic corridor covering a total area of 2,217 sq km (12% of Johor State)

## Iskandar Malaysia in the context of Regional Corridors



**3 times smaller**  
than *Iskandar Malaysia*



**1.3 times bigger**  
than *Iskandar Malaysia*



**11 times bigger**  
than *Iskandar Malaysia*

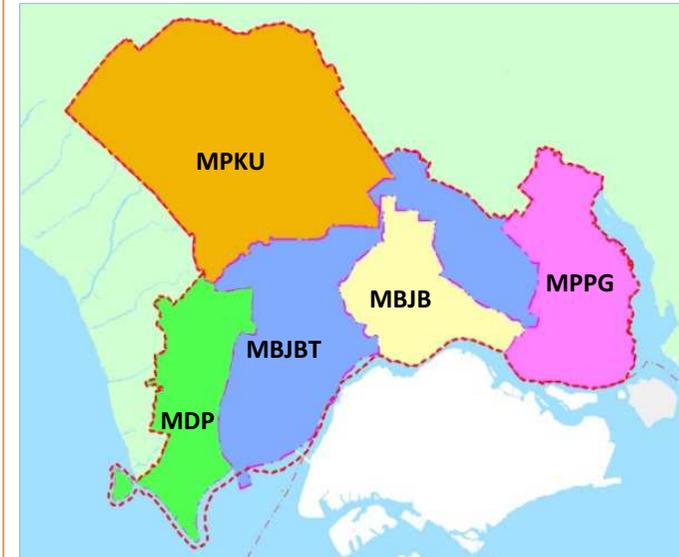


**30 times bigger**  
than *Iskandar Malaysia*



Iskandar Malaysia

covers **FIVE** local planning authorities.

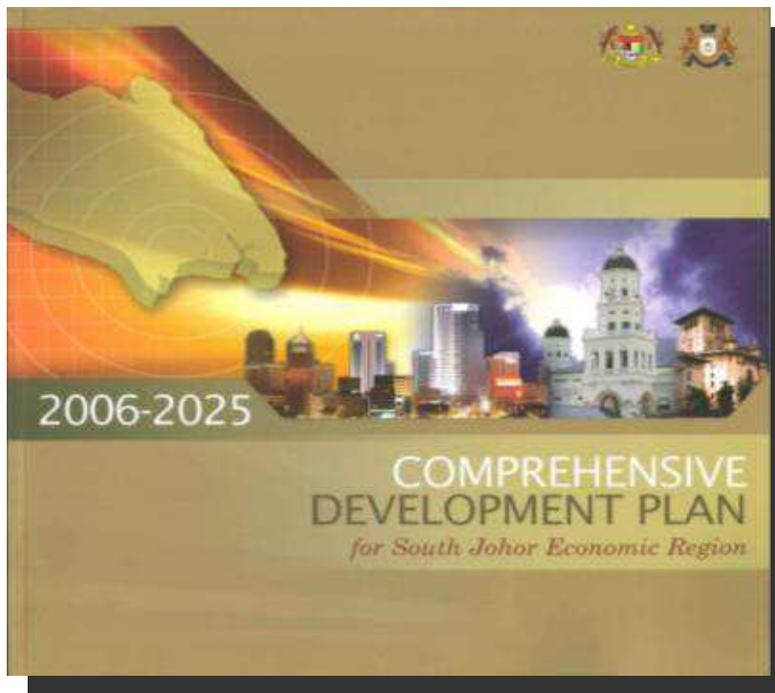


	2005	2010	2025
Population (million)	1.35	1.61	3.00
Labour Force (million)	0.61	0.70	1.43
Employment (million)	0.62	0.72	1.46

Source: CDP 2006 – 2025, Population Census 2010 and consultant estimates

# Comprehensive Development Plan

Main document to guide Iskandar Malaysia's economic, social, environmental planning and management towards the establishment a "strong and sustainable metropolis of international standing".



Downloadable at

[www.iskandarmalaysia.com.my](http://www.iskandarmalaysia.com.my)

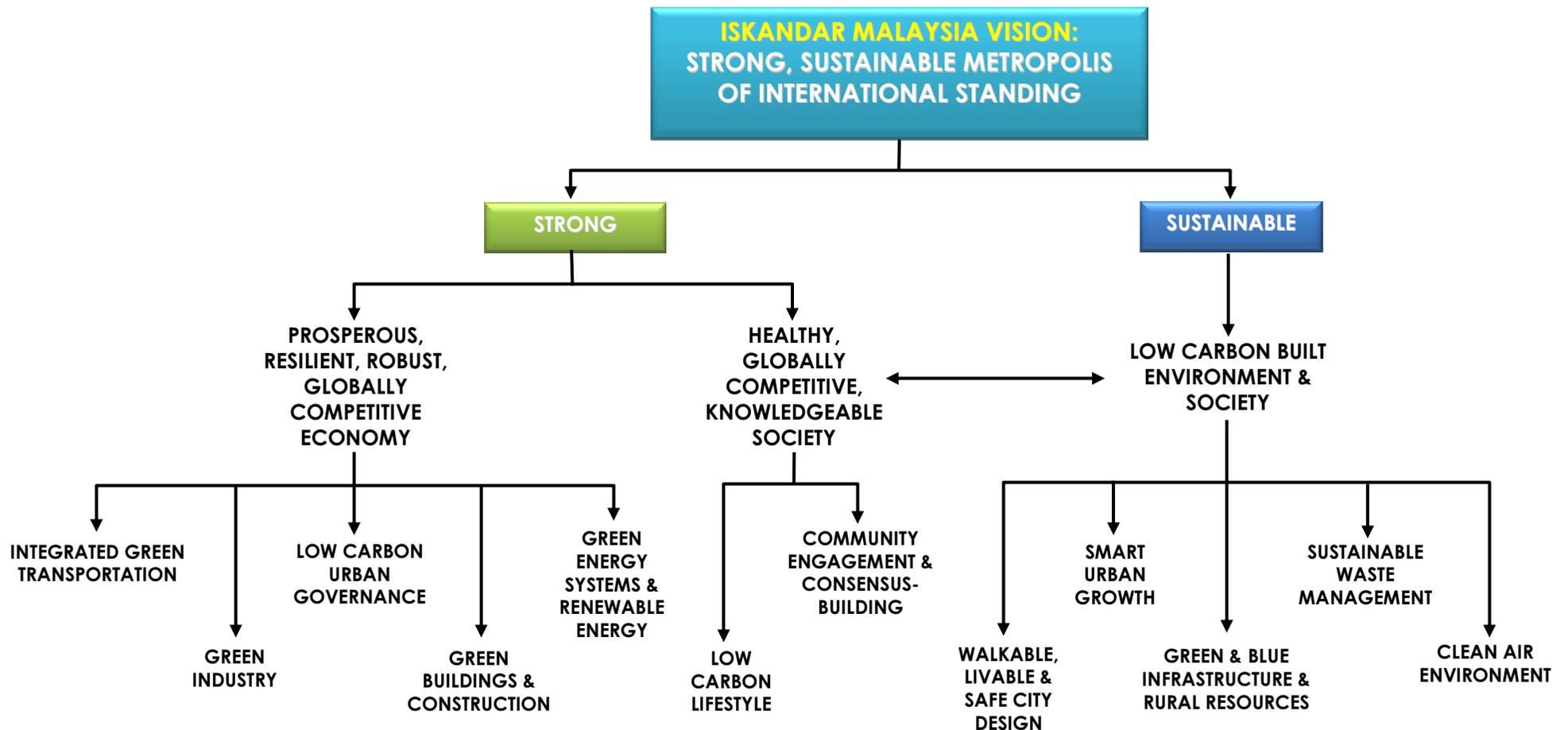
## DEVELOPMENT STRATEGIES:

- Balanced Development
- Protect and Conserve Nature, Historic and Open Spaces
- TODs
- Promote Infill & Redevelopment
- Enhance Accessibility
- Promote Key Economic Areas as Focal Point For Growth
- Plan & Manage Regional Growth
- Innovative & Sustainable Infrastructure & Utilities
- Liveable, Walkable Green Cities - Quality and Sustainable Neighbourhoods

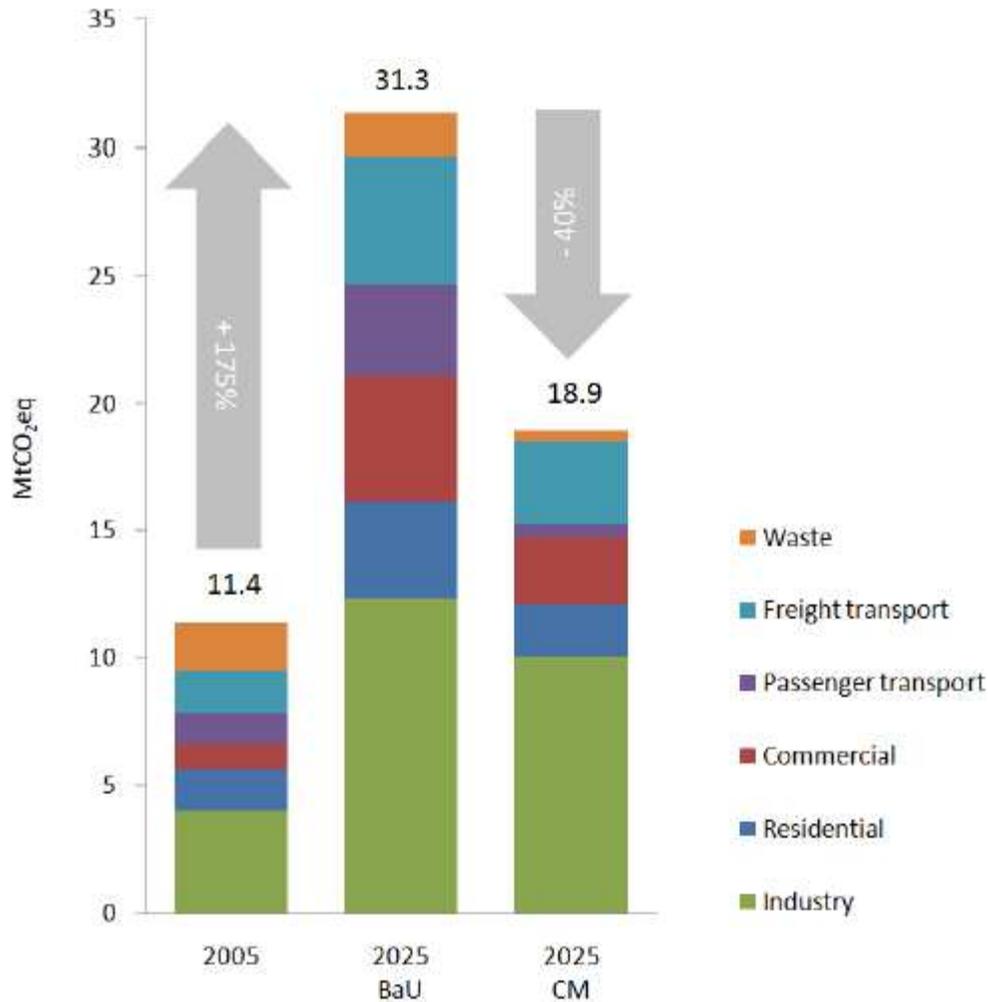


# The Need for a Green Focused Agenda

## Development of Framework & Scoping



# From Science to Policy



Without the Green,  
there shall be no  
**SUSTAINABLE**  
**DEVELOPMENT**

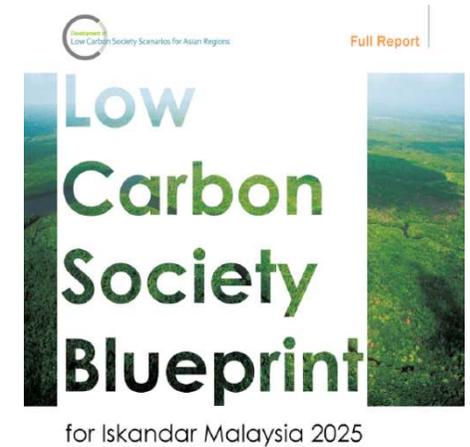


Figure 1: GHG emissions by sectors

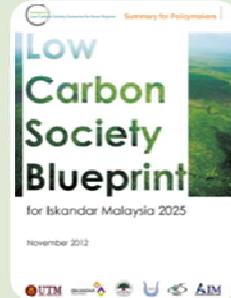
# Launching of the LCSBPIM – COP18 Doha 2012



# LCS Actions for IM by Three Main Themes

	Action Names	Themes
1	Integrated Green Transportation	<b>GREEN ECONOMY</b>
2	Green Industry	
3	Low Carbon Urban Governance	
4	Green Buildings & Construction	
5	Green Energy System & Renewable Energy	
6	Low Carbon Lifestyle	<b>GREEN COMMUNITY</b>
7	Community Engagement & Consensus Building	
8	Walkable, Safe, Livable City Design	<b>GREEN ENVIRONMENT</b>
9	Smart Growth	
10	Green and Blue Infrastructure & Rural Resources	
11	Sustainable Waste Management	
12	Clean Air Environment	

# Green Economy: On-going



Green Transportation

Public transport system improvement  
 Bas Iskandar Malaysia- social route

BeXTRA- BAS EKSPRES TRANSIT- express, limited transit point  
 Improve JB - Singapore, JB-KL Connectivity

UNDP/GEF Low Carbon Cities

Low Carbon Urban Governance

Governance Structure

Implementation of Programmes

Specification Cards

Danga Bay proposed waterfront project

Green Industry

Promote the ecological & economic benefits of greening existing industries  
 (Thru facilitation of investment and new development)

Training programmes

Green Economy Guidelines

Expert Talk Series

Green Building and Construction

Promote and Facilitate Green Building in New Construction

Danga Bay proposed waterfront project

District Cooling

CASBEE/GAIA

Green Energy System and Renewable Energy

Promotion of Renewable Energy for new development

SEDA's role –FIT; Renewable Energy

Biomass

# Renewable Energy & Energy Efficiency

## BP

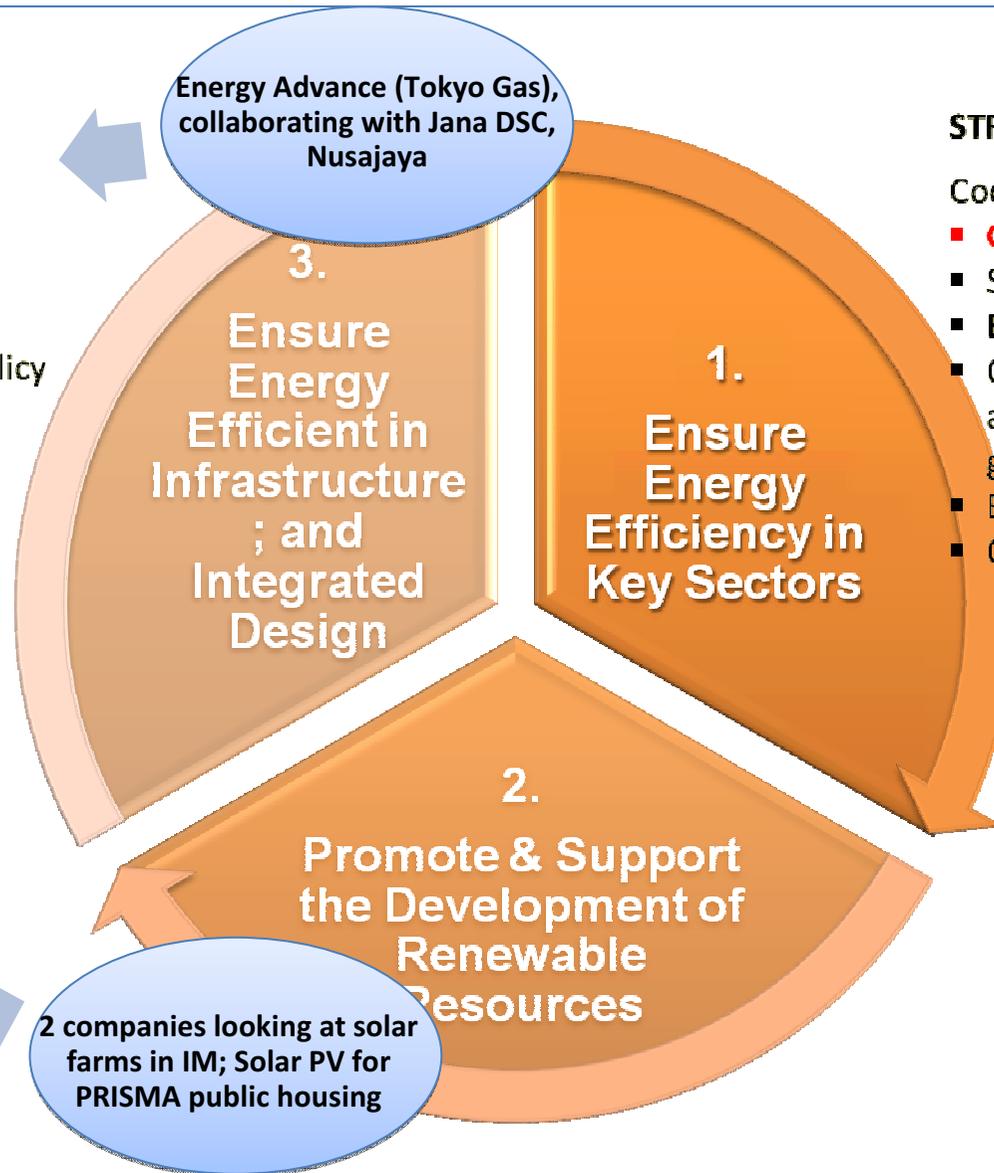
### STRATEGIC INITIATIVES:

- District cooling and ice-storage
- Co-generation
- GIS for spatial planning
- Transport design and policy
- Integrated design and renovation (clusters)

### STRATEGIC INITIATIVES:

#### IM's own FIT incentives:

- Solar farms
- Rooftop solar PV
- Mini-hydro
- MSW
- Agricultural wastes
- Liquid wastes



### STRATEGIC INITIATIVES:

#### Codes and standards:

- **Green building index**
- Street lighting
- Education programmes
- Campaigns (labeling, types of appliances that save energy, good habits)
- Benchmarking
- Operation & maintenance

CASBEE – Keio U currently doing pilot assessment for IM region; IRDA proposes to adopt CASBEE as a tools for building efficiency assessment

# Green Community: On-going



- ### Low Carbon Lifestyle
- Enhancing public awareness e.g. JB Transformation
  - Enhancing school awareness on going green
  - Promote Energy Efficiency
  - **Eco-Life Challenge for schools within Iskandar Malaysia**
  - **Proposal** – Covered Walkway from City Square to KSL and Larkin Bus Terminal

- ### Community Engagement & Consensus-Building
- Input from Stakeholders and LCS Information Sharing with stakeholders in IM
  - FGD, Symposium, workshop, regular meetings with the public
  - **Portal for Green Technology**

# Green Environment: On-going



## Walkable, Safe, Livable City Design

Designing the Safe City (from crime) – CCTV, Community Police Posts

Cycling paths & Walkways

## Smart Urban Growth

Promote Compact Urban Development

Smart City Concepts /FCI

Kulai Eco-town proposal

## Green and Blue Infrastructure & Rural Resources

Conservation of Mangrove Forests

Wise Use of Ramsar sites

Responsible Tourism

Urban Forests

## Sustainable Waste Management

IRDA Going Green Hybrid Car-Parking

3R promotion in schools & homes

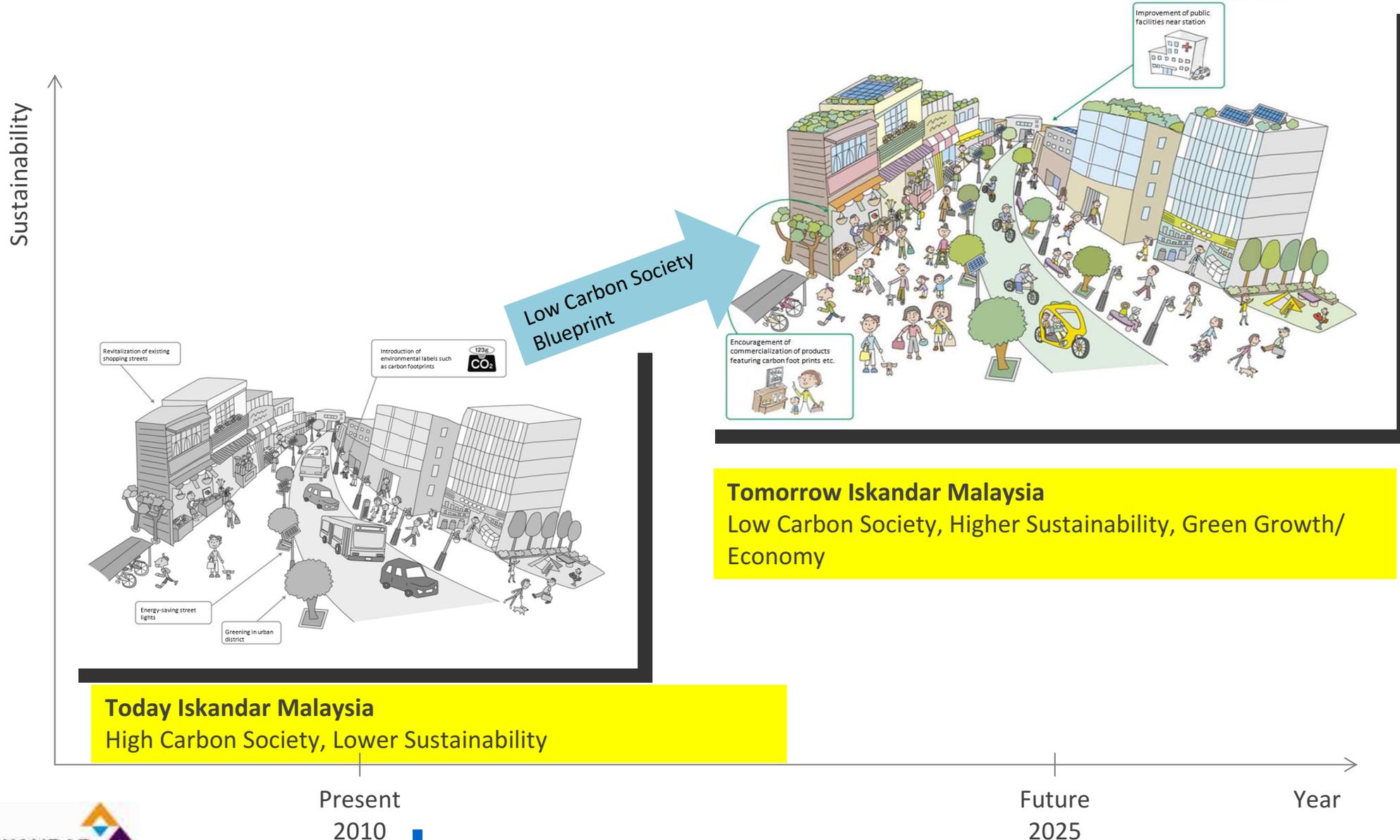
## Clean Air Environment

Promote low emission vehicle, low emission technologies for industry

Air Quality Monitoring

Pasir Gudang – Green & Healthy City

# Iskandar Malaysia: Today and Tomorrow



# Thank You

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