

# 4<sup>th</sup> ASEAN-JAPAN SMART CITIES NETWORK HIGH LEVEL MEETING

*Ms Maimunah Jaffar  
4 December 2022*



PRIME MINISTER'S DEPARTMENT





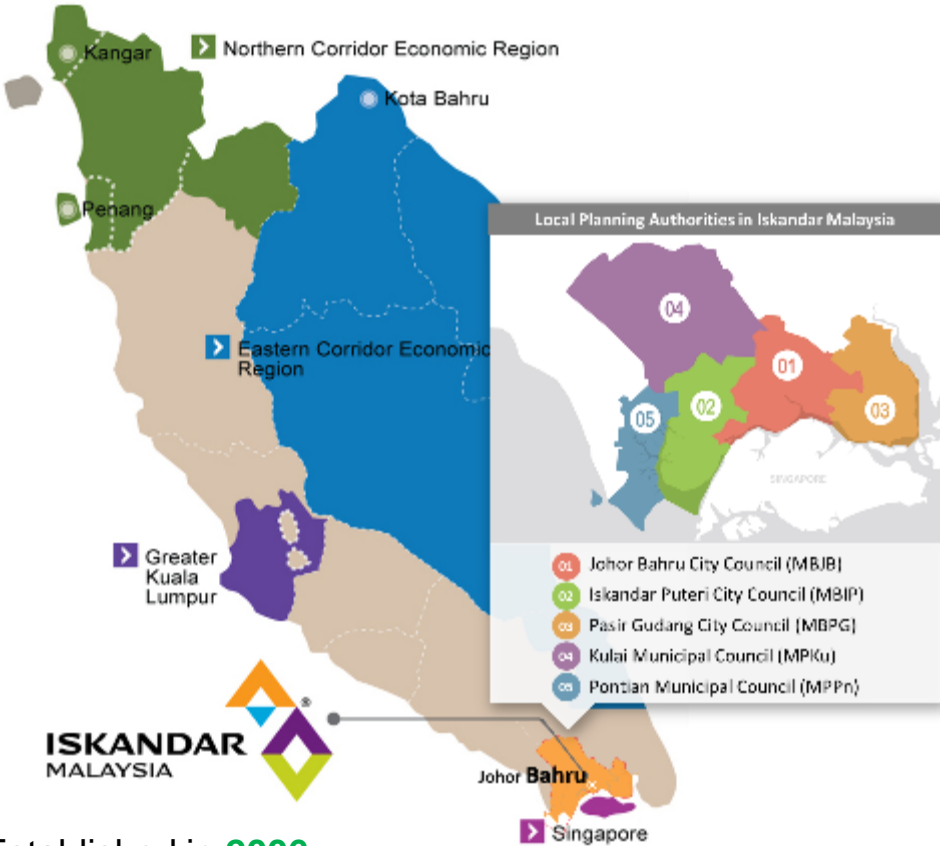
# ABOUT ISKANDAR MALAYSIA AND IRDA



PRIME MINISTER'S DEPARTMENT

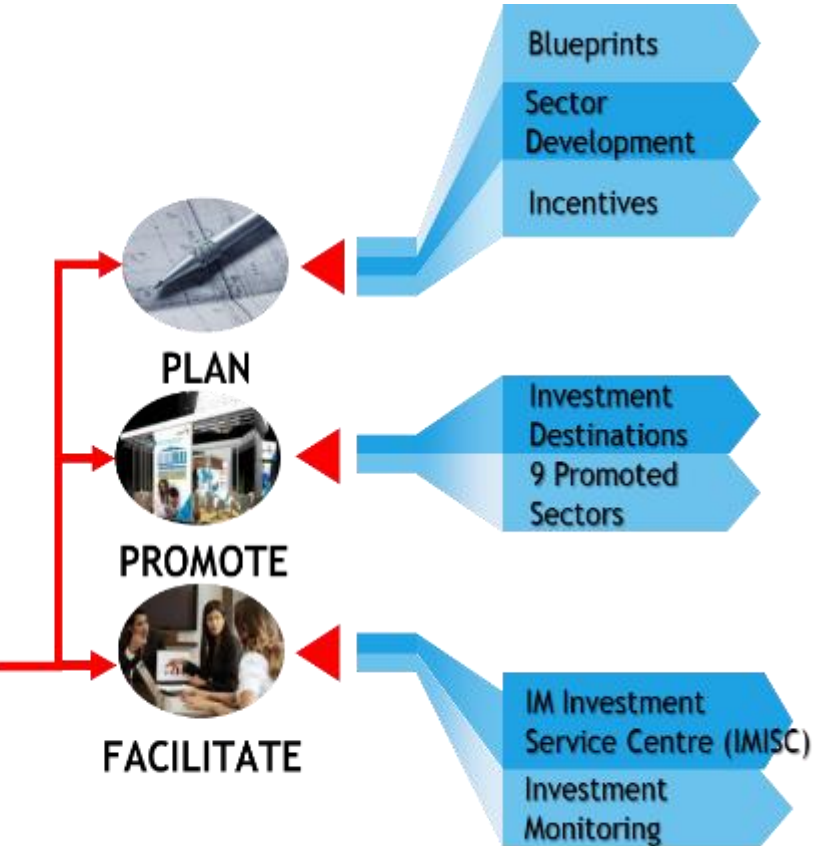


## Iskandar Malaysia in the context of Regional Corridors



- Established in **2006**.
- An economic development corridor in the **Southern Johor, Malaysia**.
- Encompasses an area of **2,217 km<sup>2</sup>**, which is **3 times bigger** than Singapore.

## Role of Iskandar Regional Development Authority (IRDA)



“How We Focus, Think and Implement”

## FRAMEWORK



Attract economy through smart investment



### SMART ECONOMY

- 1 Economic Growth and Value Creation
- 2 Equitable Wealth Distribution
- 3 Innovative Economic Growth
- 4 Entrepreneurship

Manage environment through smart collaboration



### SMART ENVIRONMENT

- 1 Clean Environment
- 2 Green Development
- 3 Smart Growth
- 4 Environment Protection
- 5 Green Infrastructure
- 6 Green Economy

Provide smart mobility and connectivity



### SMART MOBILITY

- 1 Efficient Road Accessibility
- 2 Non – Motorized Accessibility
- 3 Availability of ICT Infrastructure
- 4 Efficient Public Transportation



### SMART GOVERNANCE

- 1 Public Private Partnership
- 2 Transparent Governance
- 3 Public Participation
- 4 Efficient Public and Social Services



### SMART LIVING

- 1 Touristic / Recreational Attractiveness
- 2 Safety and Security
- 3 Housing Quality
- 4 Health Conditions
- 5 Low Carbon Lifestyle
- 6 Educational Quality
- 7 Cultural Facilities



### SMART PEOPLE

- 1 Caring Community
- 2 Racial Harmony
- 3 Skilled and Talented Human Capital

Smart governance that focus on 'rakyat' needs

Produce smart people and mindset

Provide smart living quality

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## ASEAN SMART CITIES NETWORK

Pilot Cities

Iskandar Regional Development Authority (IRDA) representing Johor Bahru District as one of pilot cities out of 26 cities within ASEAN countries.



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## MALAYSIA SMART CITY FRAMEWORK

IRDA representing Johor Bahru District as one of 5 pilot cities beside Kuala Lumpur, Kuching, Kota Kinabalu and Kulim.

# PROJECT 1: Sg Skudai RMMT Enhancement Feasibility Study (Smart Environment)

## Phase 1 Project Progress

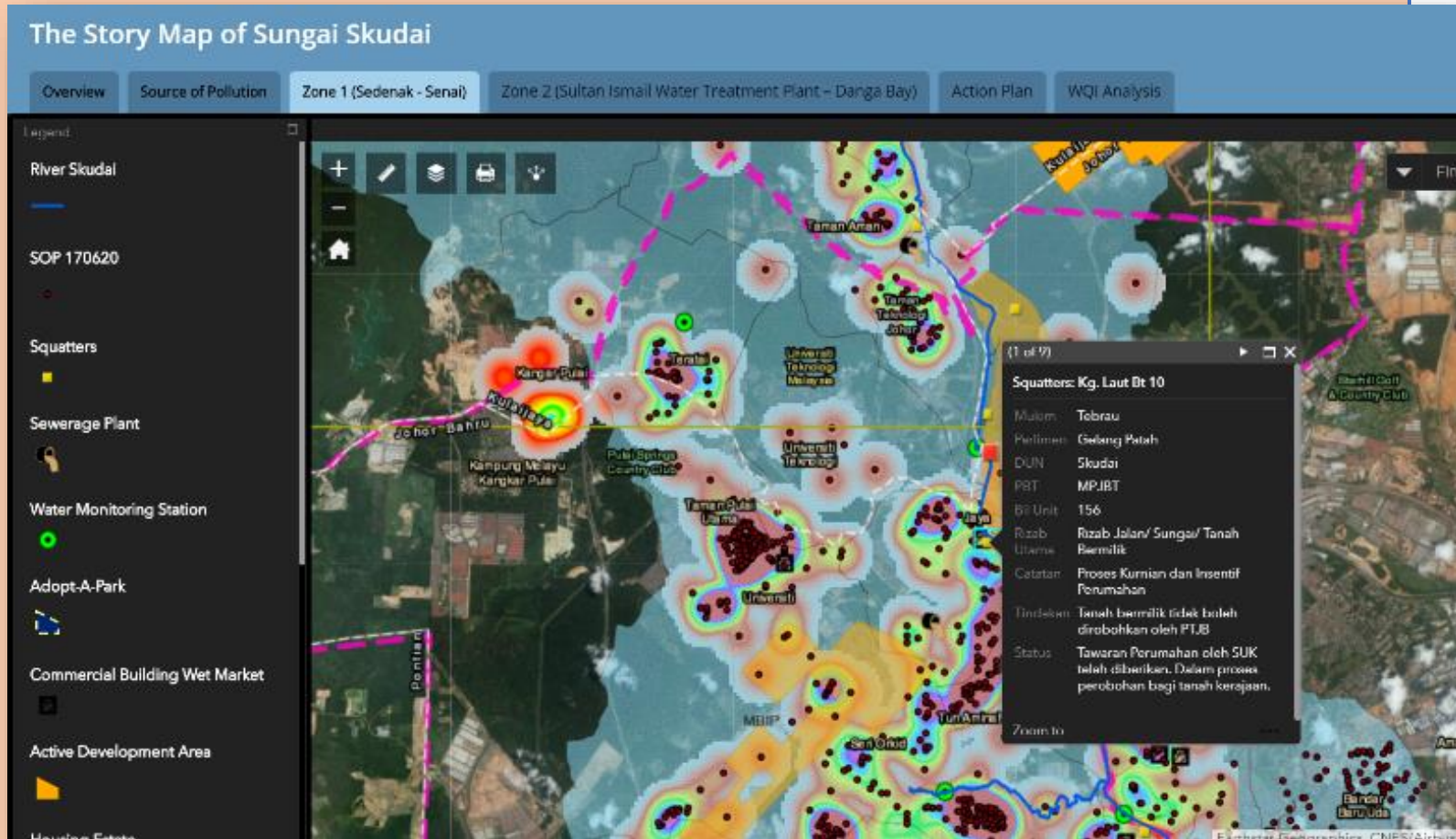
- **Scope:** RMMT Enhancement Feasibility study funded by Ministry Of Land, Infrastructure and Tourism Japan, Consultant PCKK
- Project commenced on Sept 2021 and completed March 2022.

## Phase 2 Project Progress

- In progress, Scope: Procurement for Proof of Concept (POC) project – Data sensor automation and monitoring system

## Challenges to Implementation

- Funding on IoT installation as recommended for automated river system monitoring
- Local agency preparation and readiness to adapt digitalization and technology adoption
- System integration with current RMMT and other related agencies





# PROJECT 2: A: Sg Johor Smart Disaster Risk Management Pre-Feasibility Study (Smart Environment) & B: Capacity Building on Smart Healthcare



## Project Progress

**Scope A :** Pre-Feasibility Study for managing disaster for Sg Johor, funded by Ministry Of Land, Infrastructure and Tourism Japan under Smart JAMP

- Study commenced in September 2021 and completed March 2022.

## Challenges to Implementation

- Aligning with existing similar programs
- Identify scoping that is within local jurisdiction



## Key findings:

Basic concept: provide preventive healthcare services as holistic services  
 2 main activities to implement a pilot project.

1. Preventive Healthcare: Enhance people’s understanding of healthcare through the education
2. Utilization of Community Clinics in the region: By using existing Community Clinics, networked preventive healthcare services to be achieved with networking and data platform technologies.



# PROJECT 3: Smart Building Energy Management at IRDA office (Smart Environment)



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## Project Progress

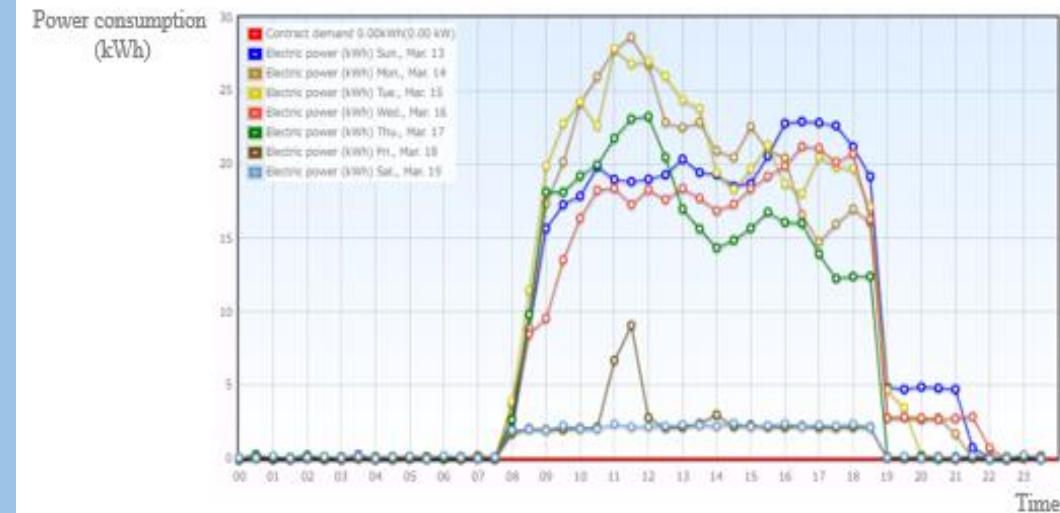
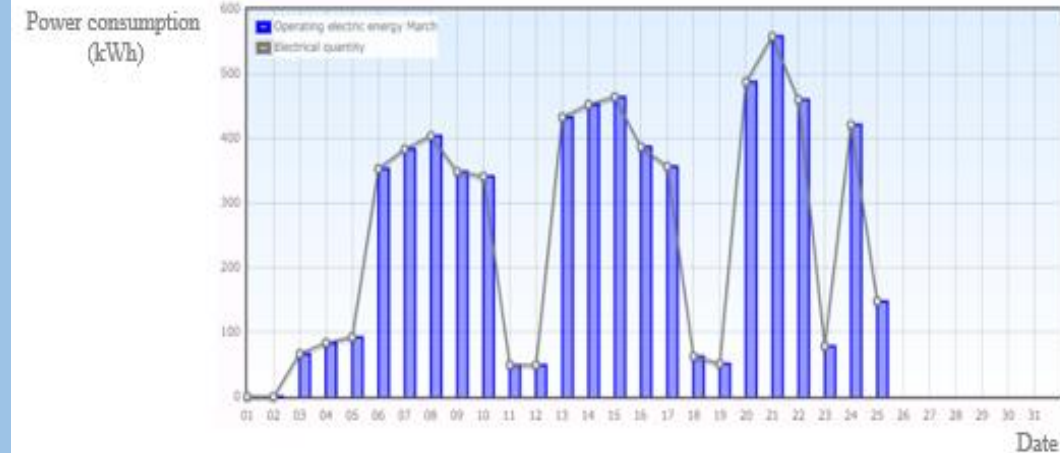
- Scope: Trial for the Smart Building Solution provided by iFORCOM – funded by Ministry of Internal Affairs and Communications (MIC), Japan.
- The project commenced in January 2022, completed - March 2022.
- To date, pilot project yielded **30% cost saving** benefit

## Challenges to Implementation

- Existing policies and obtaining approvals needed to implement currently took significant amount of time to secure.

## Partnerships and Support Required

- To collaborate with related ministries and agencies to enhance existing policies to enable introduction of similar solutions on a bigger scale.
- To collaborate with local private players to adopt similar solutions at their premises.
- To source funding for the automated system data integration and energy management analytics tool.





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**ISKANDAR**  
REGIONAL  
DEVELOPMENT  
AUTHORITY

# THANK YOU



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