



Framework Presentation

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KL City Hall: Secure budget for EE retrofiting

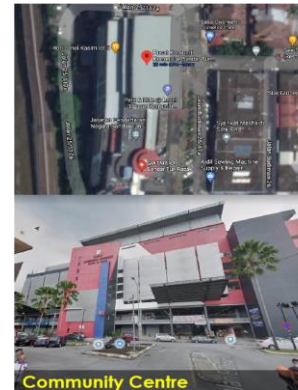


建物名	更改設備	予算	実施
Menara1 Tower	AHU	4,000,000 RM	2021
Menara1 Auditorium	Heat source, cooling tower, pumps, AHU	3,500,000 RM	2021
Menara3	Heat source, cooling tower, pumps, AHU	10,000,000 RM	2022
IDB training center	VRF	2,500,000 RM	2021

KL: Renewable location indicator

Identifying key indicators for renewable installation location in metropolitan cities

- power consumption
- access
- renewable policy
- roof space
- social impact
- GHG emission reduction
- maximum load / roof slope
- vandalism



Candidates: 4 private buildings +6 government buildings

MOEJ “Developing an Institutional Framework Towards Kuala Lumpur Zero Carbon City and Neighbourhood in Collaboration with Tokyo Metropolitan Government and Saitama City” Project [Phase 2]

Tokyo Metropolitan Government (TMG)

Support KL for sustainable policies and buildings (“Zero emission Tokyo Strategy” (by 2050), “Carbon Half” (by 2030) at whole city level

Saitama City Hall (Saitama)

Support KL for sustainable energy management (Misono “Smart Home Community”), sustainable mobility (“Shared Multi-Mobility”) at neighborhood level

Loop:
Private sector:
energy management

IGES:
Main coordinator

Wangsa Maju Carbon Neutral Growth Centre



Fig. Map of Kuala Lumpur City

Kuala Lumpur City Hall (KL)

Streamline and enhance zero emission policies, ways to develop a zero emission neighborhood

KL city mayor declared carbon neutral city by 2050 and “Wangsa Maju Carbon Neutral Growth Centre” inside KL through “Phase1 (FY2019-2021)” activities between KL and TMG with IGES, UTM, SEDA

Universiti Teknologi Malaysia:
Local coordinator

SEDA (Sustainable Energy Development Authority):
Public sector: energy management and policies

**FY2022-
FY2024
at max**

- 1 year: Introduce CN measures of TMG (city-wide) and Saitama (neighborhood etc.), early implementation with KL City Hall’s budget.
- 2 year: Support localization of the introduced policies, mechanisms, of which some will be tested in the “Wangsa Maju Carbon Neutral Growth Center”
- 3 year: Action plan for “Wangsa Maju Carbon Neutral Growth Center” will be incorporated into concrete project proposals and support is offered for KL city wide decarbonization and to other cities.

Smart city Saitama model



Project Area

Saitama City, Saitama Prefecture

Project Organization

Misono Town Management Association

Urban issues and Goals.



Project area goals, features and issues. (Smart city image)

• Overview

Saitama City is located about 30 km north of central Tokyo. There are Shinkansen stations that operate in six directions, and it is a transportation hub that connects to many railways. It is an exchange base for "people, goods, and information" that connects various areas of eastern Japan with the metropolitan area and plays a central role in "cooperation with eastern Japan." With a population of over 1.33 million, it is the 9th most populous city in Japan.

• Initiatives for smart cities

2009~

It has started the "E-KIZUNA Project", a measure to popularize next-generation vehicles such as electric vehicles, and we are aiming to reduce carbon dioxide emissions in the transportation sector.

2011~

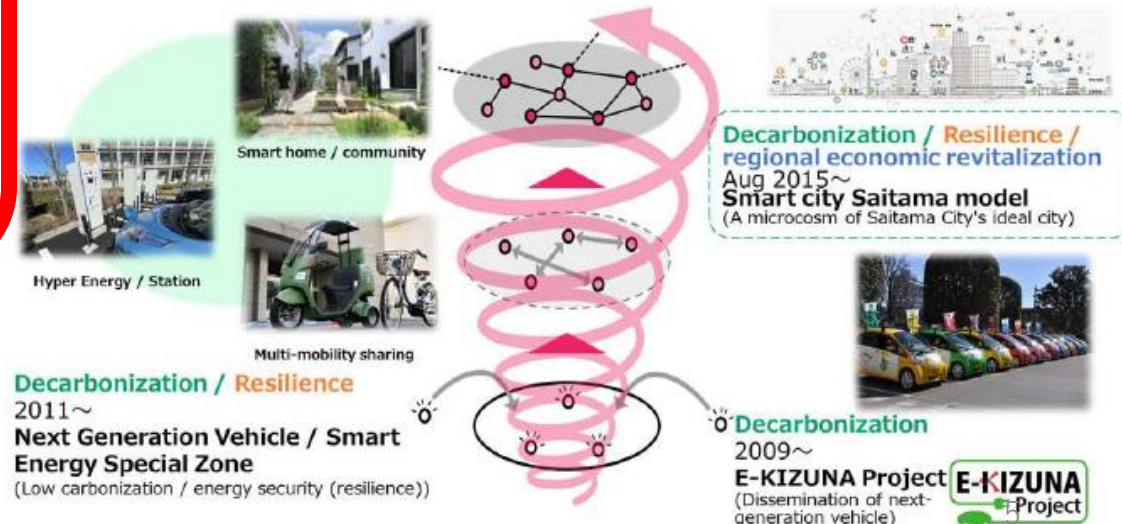
It has been designated by the national government as a "next-generation automobile / smart energy special zone" as a comprehensive special zone. It has started to promote as three priority projects, "Hyper Energy Station", "Smart Home Community" and "Low Carbon Personal Mobility".

2015~

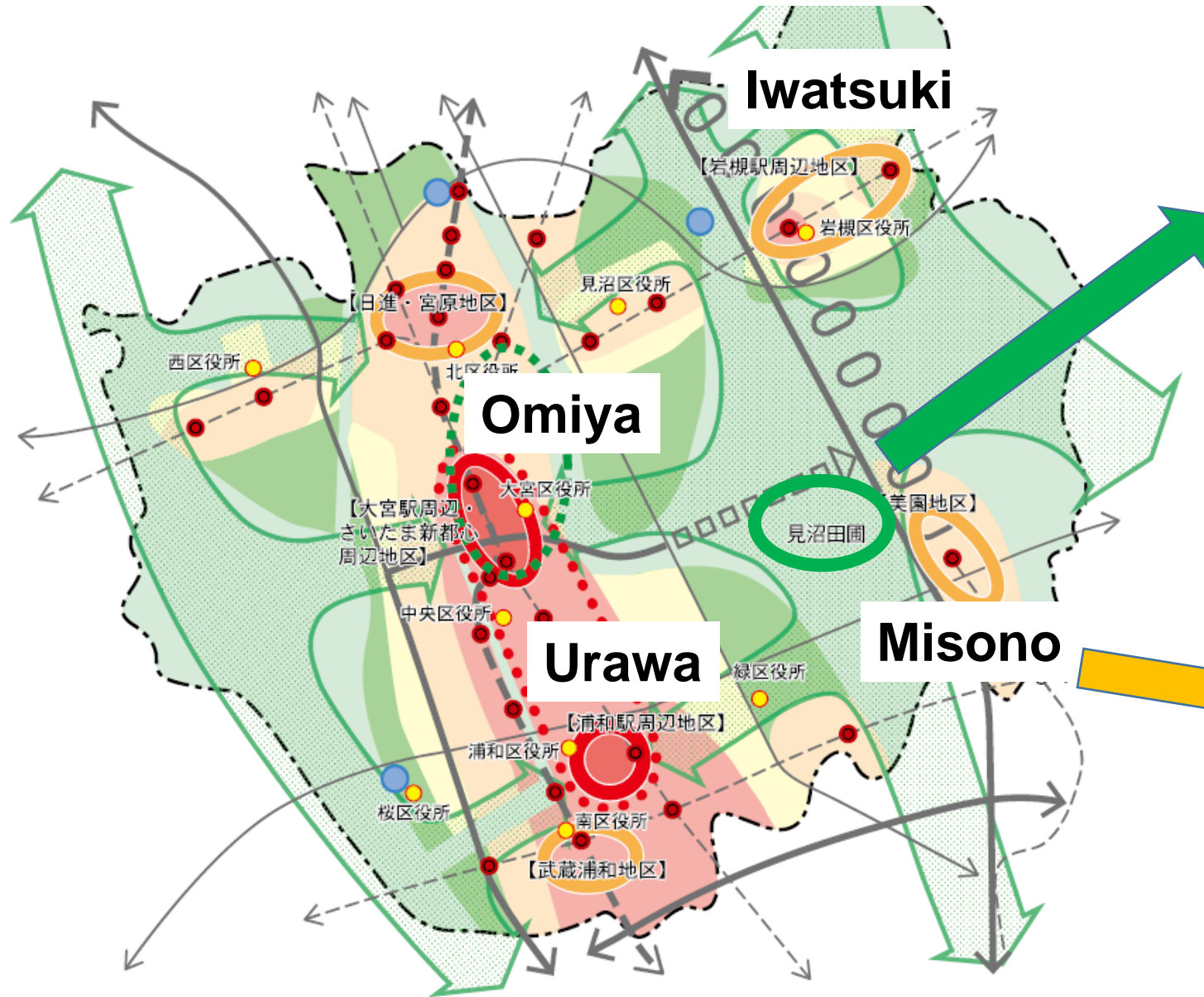
We will advance the environment and energy fields and develop a "smart city Saitama model" that crosses fields such as "health," "mobility," "energy," and "community" that utilize AI, IoT, and data.

• Strengths of smart city Saitama model

Various projects for the realization of smart cities are underway through an ecosystem in which "public, private + academia collaboration". Its strength is that it can utilize the "Common Platform Saitama Version", a city OS that collaborates with member companies of the "Misono Town Management Association", universities, and companies in Saitama City to provide and promote demonstration fields in the Misono area.



Saitama City: Synergetic Actions between Climate and Biodiversity



Saitama New Metropolitan

Minuma Paddy Field



Misono Smart Home Community



Google “KL Zero Carbon IGES”
<https://www.iges.or.jp/en/events/20220808>

High Level Talks on Zero Carbon City Kuala Lumpur

Developing an Institutional Framework Towards Kuala Lumpur Zero Carbon City
and Neighborhood in Collaboration with Tokyo Metropolitan Government
and Saitama City

DATE : 8th August 2022
TIME : 10:30-12:00 (MYT) , 11:30-13:00 (JST)
VENUE : Anjung Singgahsana,
Kuala Lumpur City Hall

Aug 2022, KL

Our journey towards zero carbon city shall continue.

