

The background of the slide is an aerial photograph of the Yokohama skyline. The image shows a variety of modern skyscrapers, including the prominent Landmark Tower (the tallest building in the image), and several other high-rise buildings. The city is situated along a waterfront, with a harbor area visible in the foreground. The sky is blue with scattered white clouds. The text is overlaid on the upper portion of the image.

Aiming for Sustainable Development and a Decarbonized Society through City-to-City Cooperation

Toru HASHIMOTO

Director General, International Affairs Bureau

City of Yokohama



Packaging Yokohama's strengths Exporting it overseas

Public sector experience in City Development



Private sector technologies and services



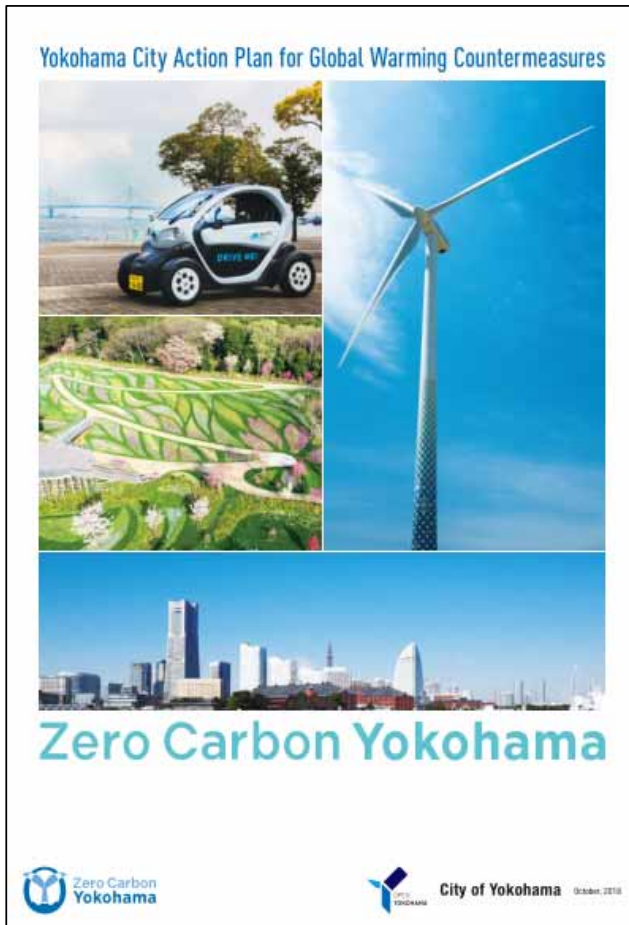
Yokohama Urban Smart Solution

Platform for exporting Yokohama's city development expertise as a comprehensive package, established by the City's International Affairs Bureau in 2011

Our commitment to leading the way to carbon neutrality



Yokohama 2050 Carbon Neutral Declaration (October 2018)



- **Collaboration & coordination with other Zero Carbon Cities**
 - In February 2021 , Yokohama launched a council of municipalities aiming for zero carbon.
 - Membership: 213 municipalities (As of March 2, 2022)
 - Chair: Mayor of Yokohama
 - We research on policies for the realization of a decarbonized society and make proposals to the government and other organizations regarding policies for the realization of a decarbonized society.



International partnership for decarbonization

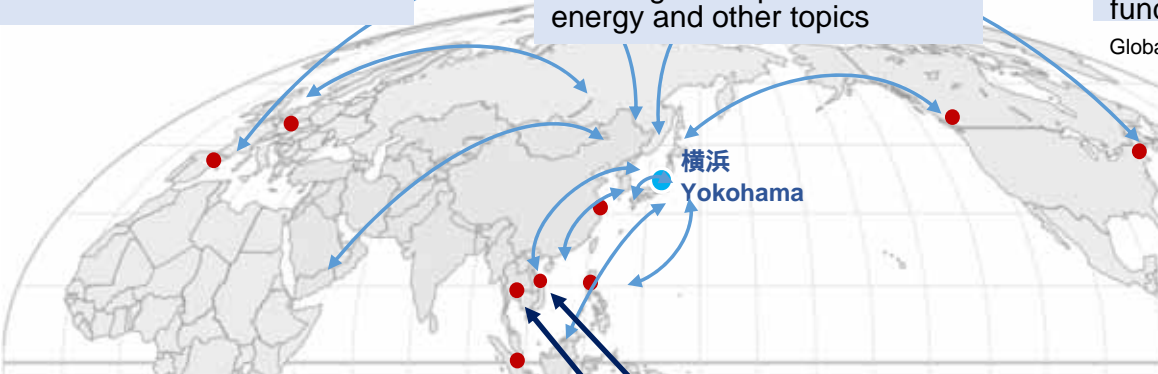


C40
C40 Cities Climate Leadership Group (Yokohama, London, Paris, etc.)

Frankfurt, Germany
Cooperation under the EU-Japan International Urban Cooperation Programme, and exchanges of opinions on energy and other topics

CNCA
The Yokohama City Renewable Energy Promotion Project is being implemented with CNCA funding

Global network of cities leading efforts to tackle global warming



COP26
Spotlighting of climate change actions



Asia Smart City Conference
(hosted by Yokohama, since 2012)

Da Nang

Bangkok

Y-PORT
Support for formulation of Da Nang's 10-year environment plan
■ Support for drafting of Bangkok Master Plan on Climate Change

Partners include 42 companies, 3 cities overseas, the ADB and 6 other international organizations, and others

Y-PORT's major activity locations

Cities that have signed a MoU on Technical Cooperation for Sustainable Urban Development with Yokohama

Bangkok



- Bangkok Master Plan on Climate Change
- Installation of rooftop solar generators and energy management systems at factory

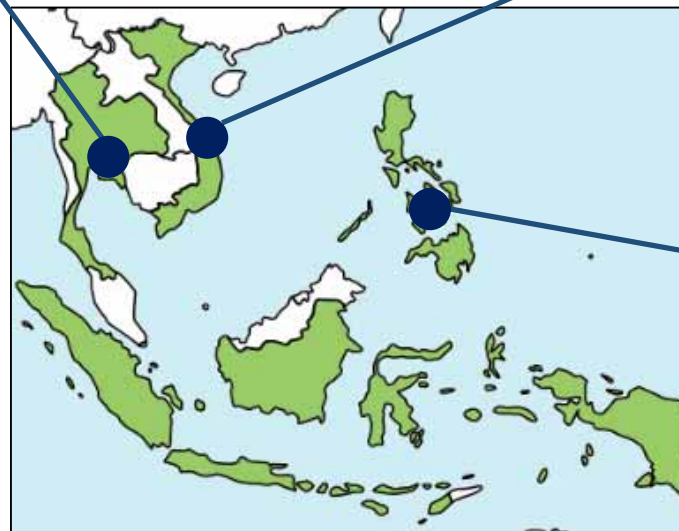
Da Nang



- Da Nang Urban Development Action Plan
- Energy efficiency diagnostic service for hotels, factories, etc.
- Installation of high-efficiency pumps at Da Nang Water Supply facility

Joint Development / Smart City Projects through collaboration with YUSA

Formation of joint development/smart city projects through collaboration with YUSA based on requests for cooperation from private developers in the ASEAN region.



Cebu



- Mega Cebu Roadmap 2050
- Waste plastic recycling
- High-efficiency treatment of septage

Bilateral City to City Collaboration with Bangkok



Bangkok 2050 Carbon Neutral Declaration (October 28th 2021)

Objectives

- (1) Drafting a Bangkok Master Plan on Climate Change 2013-2023
- (2) Capacity development for the implementation of the Master Plan

Japan



Yokohama City



City to City Cooperation

Thailand

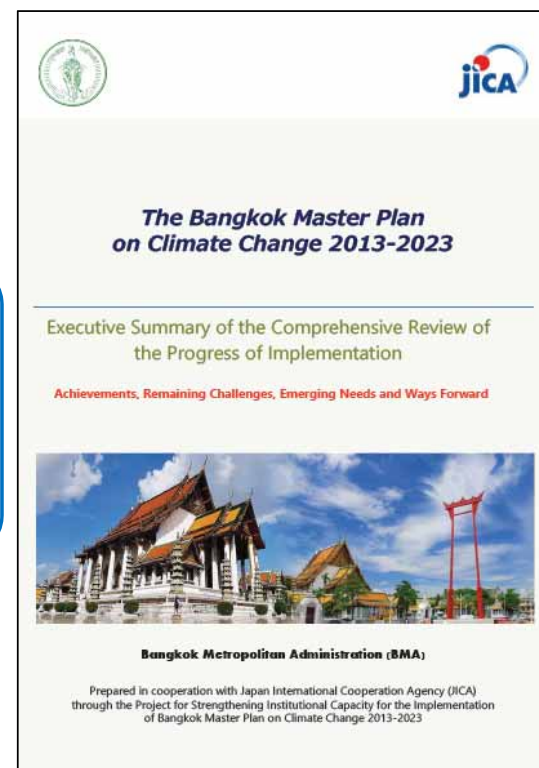


Bangkok Metropolitan Administration (BMA)

Yokohama City cooperates through JICA technical cooperation project;

- ✓ Dispatch of policy and technical experts (Yokohama City officials) for advising BMA
- ✓ Receives BMA officials study tour

For joint drafting of the Master Plan, developing mitigation and adaptation activities, and institutional arrangements



Bilateral City to City Collaboration with Da Nang city



Japan

Yokohama City

Climate Change Action Plan is under development

City to City Cooperation

MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT (MONRE).

Vietnam

Da Nang City

Processes from technical cooperation (project ideation) to operationalization are driven through the Da Nang Urban Development Forum, etc.



Da Nang Urban Development Forum



Demonstration of energy efficiency diagnostic service (Osumi Co., Ltd., a Yokohama-based SME)



Replacement of pumps at water purification facility (Joint Credit Mechanism-supported project)

Da Nang's future conceptual image and action plan, formulated with support from Yokohama/JICA

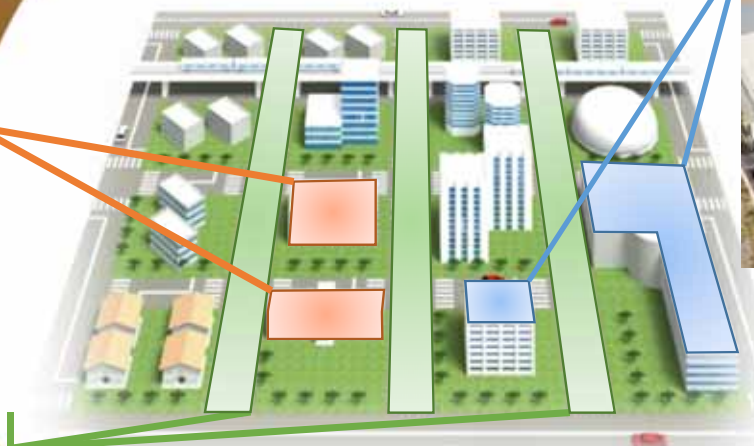
Fostering Eco-industrial Parks in Da Nang city



Radiant air conditioning system



Energy management system



Solar power on roof



MACNICA, Inc.



MACNICA, Inc.

LED system



Redox-Flow Battery

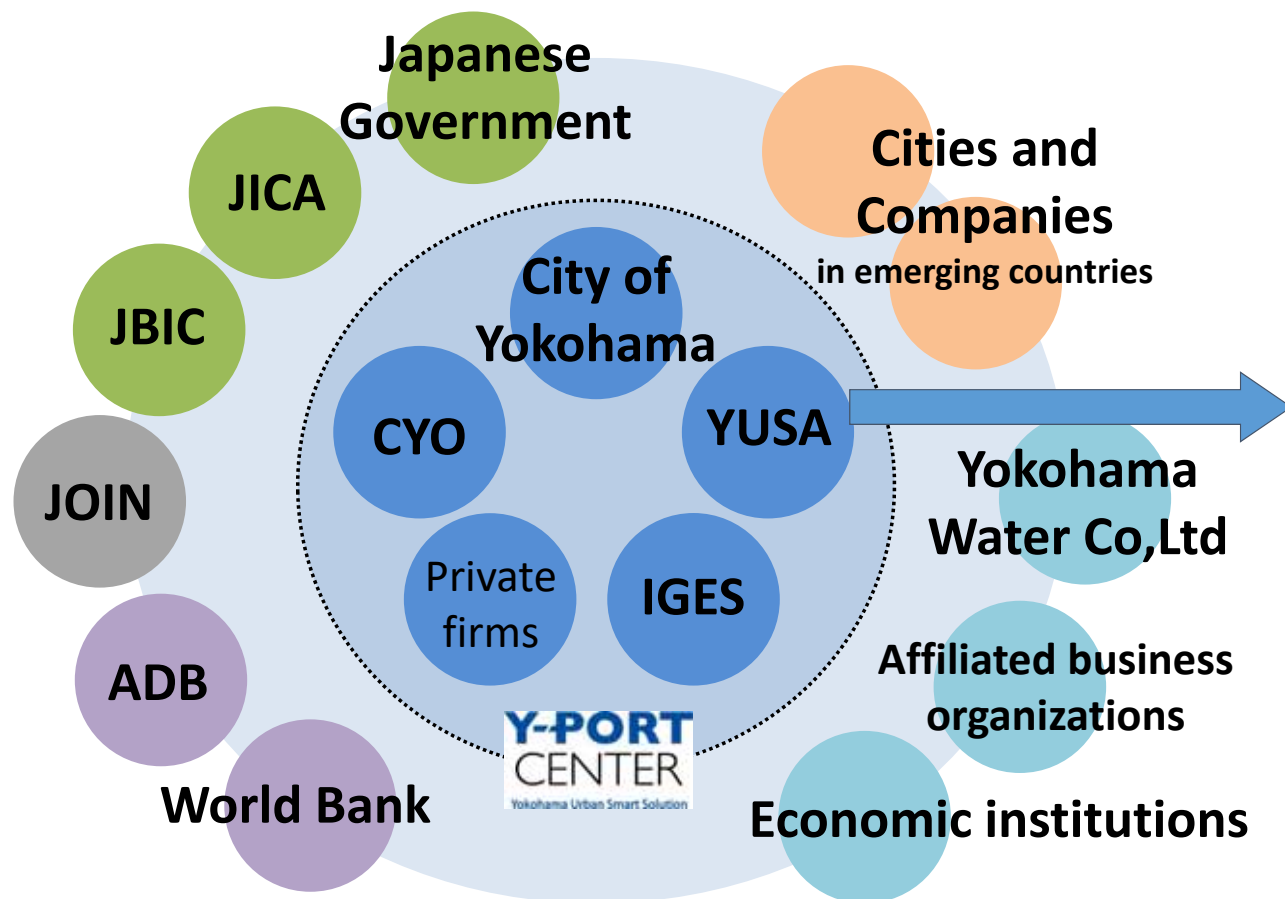


Institute for Global Environmental Strategies



YOKOHAMA National University

Establishing a knowledge hub 《Y-PORT Center》



- providing best available urban solutions through dialogue
- gaining support from the government of Japan and donor agencies

Establishing a knowledge hub 《Y-PORT Center》



Innovative Urban Solution Developed by Yokohama

Towards comprehensive support to cities in emerging economies

Background and Goal

- The City of Yokohama has established Y-PORT Center to provide smart urban solutions to cities in Asia and the world. One of the main objectives of Y-PORT Center is to co-create and provide "best available" smart urban solutions through dialogues with private firms in Yokohama with cutting-edge technologies, cities in emerging economies, and global think tanks.
- For the past few years Y-PORT Center has been undertaking city-to-city collaboration with cities in emerging economies including Enbu (Philippines), Da Nang (Vietnam), Bangkok (Thailand) and Banten (Indonesia).
- During the fiscal years 2016 and 2017 in particular, the City of Yokohama conducted site visits, technical seminars, and business matching seminars with over of 71 Japanese firms in Da Nang (Vietnam), Batavia (Indonesia), Manila (Philippines) and Cagayan de Oro (Philippines). Through these initiatives the City of Yokohama and participating private firms undertook intensive dialogue with city officials, technical experts, and firms in these cities. Through these dialogues, integrated smart urban solutions have emerged in the form of innovative "packages" based on the high-quality technologies of the private sector and urban management expertise of the City of Yokohama.
- This brochure will provide a prototype concept for these smart urban solutions provided to cities in emerging economies by the City of Yokohama and private firms. The target areas of work are: (1) waste separation and recycling promotion, (2) wastewater treatment systems, (3) green buildings and factories, (4) smart energy management, (5) efficient mobility and (6) disaster prevention/reduction. We believe that with further refinements based on respective local social, economic, and financial conditions, these prototypes can serve as "best available" integrated infrastructure packages.

Yokohama Urban Solutions.

- Support from the Japanese Government and Development Organizations
- Technical capacities of private firms in Yokohama
- Knowledge, experience, and expertise of the City of Yokohama

Solutions for Urban issues

Y-PORT CENTER
Yokohama Urban Smart Solution

Please visit our website:

• <https://yport.city.yokohama.lg.jp/>
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Providing Smart Urban Solution to Cities through PPP and Dialogue

Y-PORT CENTER

Yokohama Urban Smart Solution

Establishing a knowledge hub for smart city management

The City of Yokohama, in collaboration with international research institutions, technology networks, and leading private firms in Yokohama, has established the Y-PORT Center to provide smart urban solutions for other cities and the world. The Center aims to create further collaboration with these agencies, global think tanks and urban smart solutions.

What Y-PORT Center offers

1. Providing best available urban smart solutions and providing smart urban management knowledge to offer to private companies.
2. Co-creating urban smart solutions through dialogues with private firms with cutting-edge technologies, cities, and global think tanks.
3. Enhancing collaborations with emerging support from the government of open and smart agencies to become smart urban development.