

City-to-City Collaboration Toward Low Carbon City Development



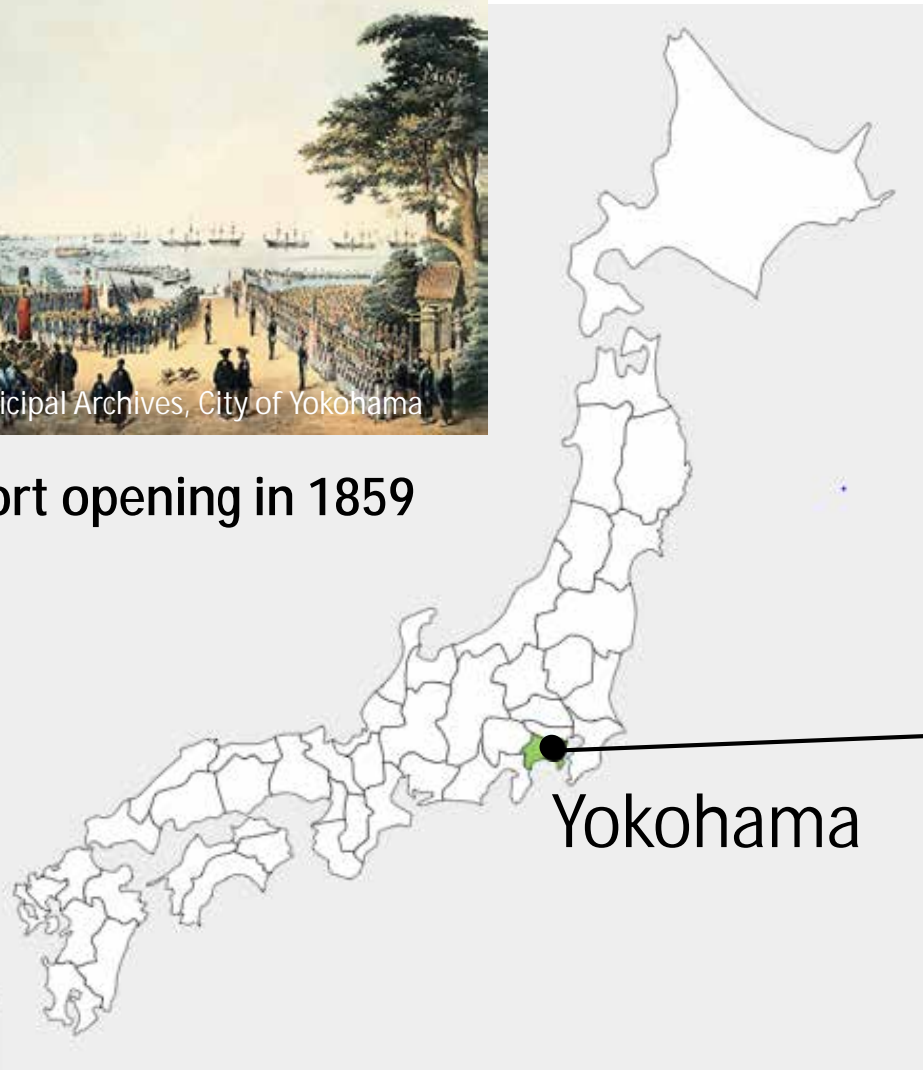
Development Cooperation Division, International Affairs Bureau
City of Yokohama

City of Yokohama - outline -



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Port opening in 1859



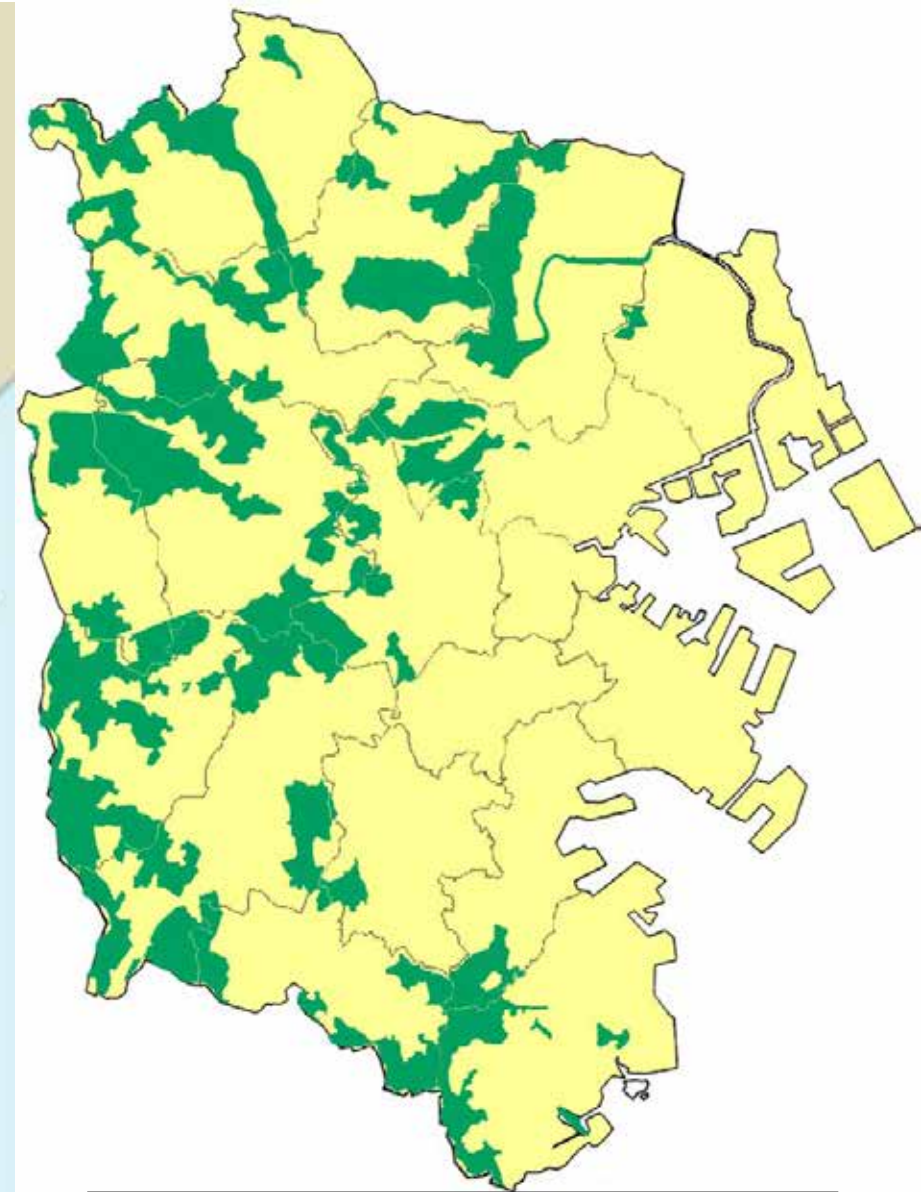
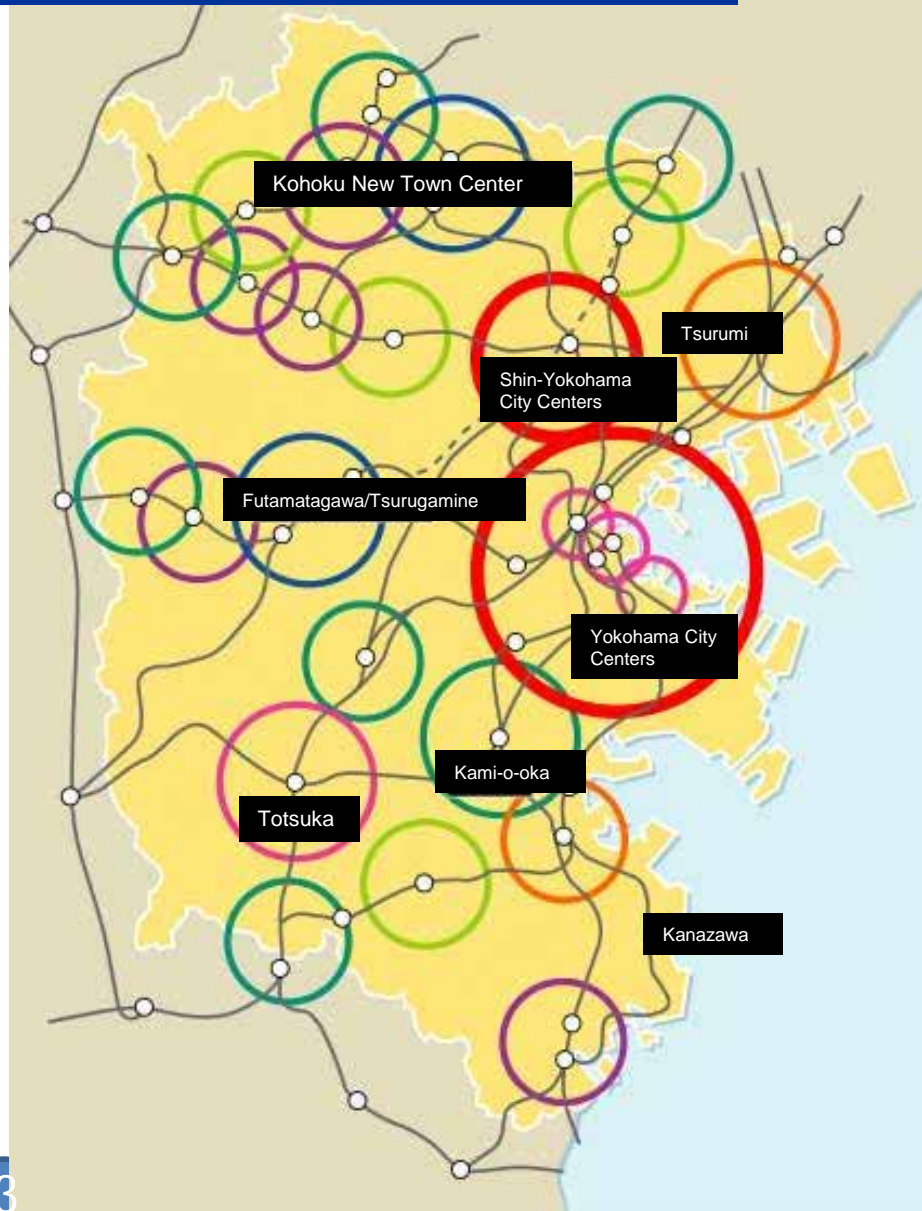
Yokohama

Population	3,731,096
Area	435.29 km ²

(as of 1st January, 2017)



Urban Structure of the Yokohama City



Urbanization control areas: 1/4 of the entire city area

External Recognition on Achievement by the City of Yokohama

LEE KUAN YEW
WORLD CITY
PRIZE

2014 SPECIAL MENTION: CITY OF YOKOHAMA



CENTRE for
LiveableCities
SINGAPORE



Population growth and infrastructure



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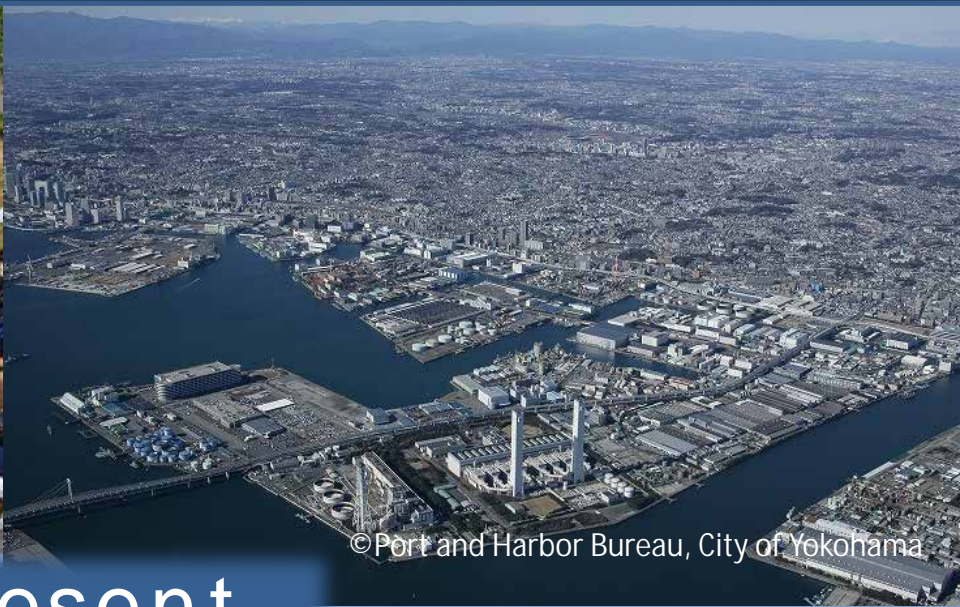


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Population growth and infrastructure



At Present



Yokohama's Expertise on Urban Management and Low Carbon City Development

Urban Development



Solid waste management



G30 Plan, aimed at achieving 30% reduction of solid waste generation. Formulation of “Yokohama 3R Dream (Slim) Plan” for further reduction by 3R (Reduce, Reuse, Recycling) .

Water treatment



GHG emission reduction



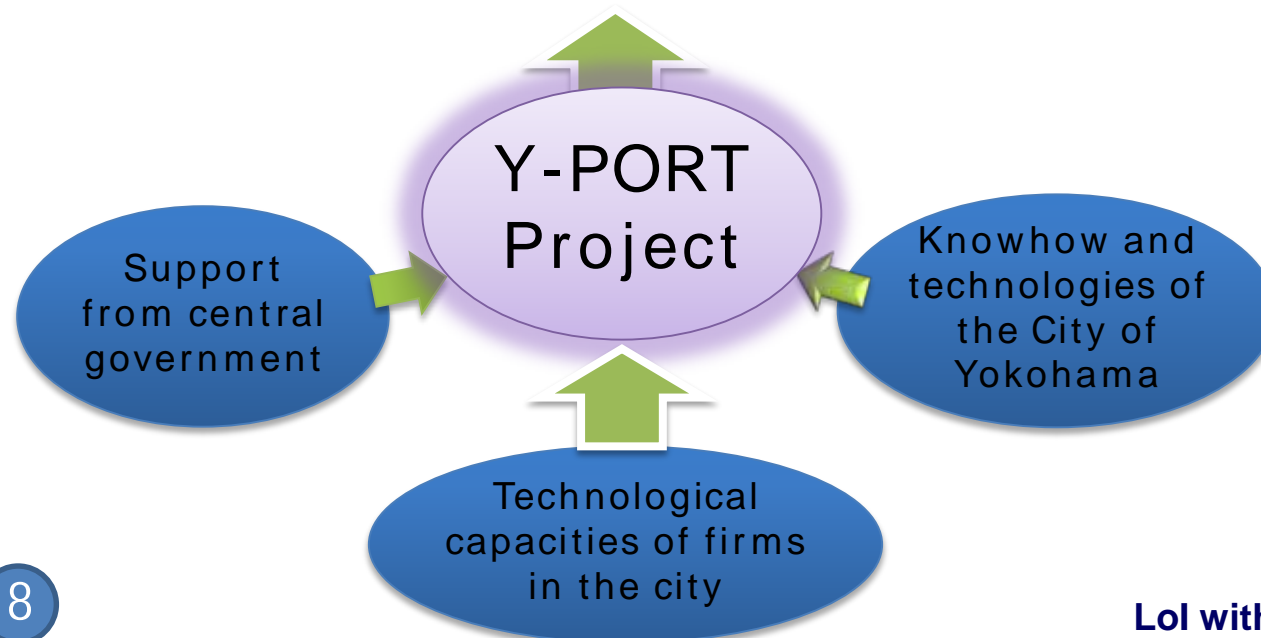
Yokohama Smart City Project

Introduction of the optimal energy management system in districts with various land use such as business, commercial and residential, etc.

Yokohama Partnership of Resources and Technologies

It is essential to provide **not simple products but solutions** through combining technologies and knowhow of the public and private sectors

Enhancement of international technical cooperation



MOU with JICA

横浜市とアジア開発銀行との連携に
Memorandum of Understanding on Collaboration
between Asian Development Bank and City of Yokohama



MOU with ADB



Lol with the City of Batam in May, 2015

Building a relationship between cities

More comprehensive Approach

Bangkok



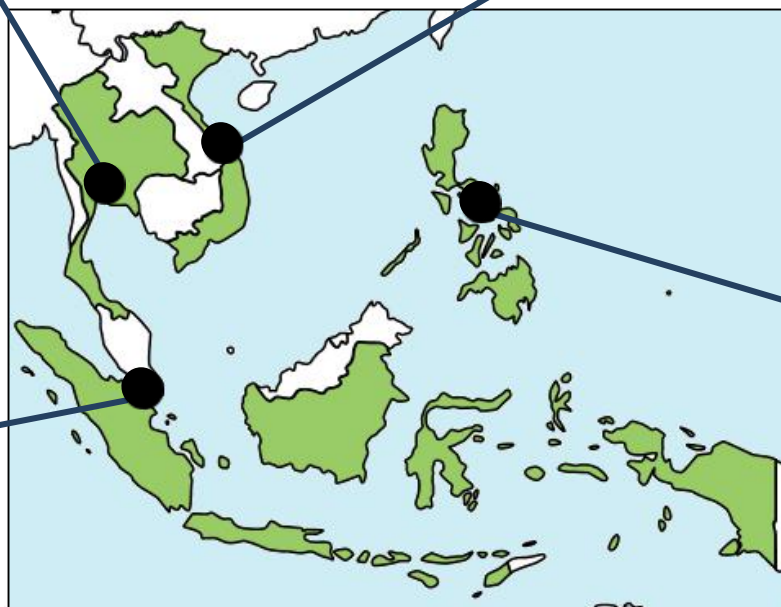
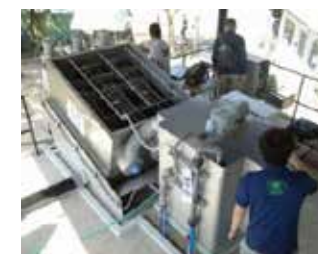
Da Nang



Batam



Cebu



● MoUs on Technical cooperation

Identifying priority issues

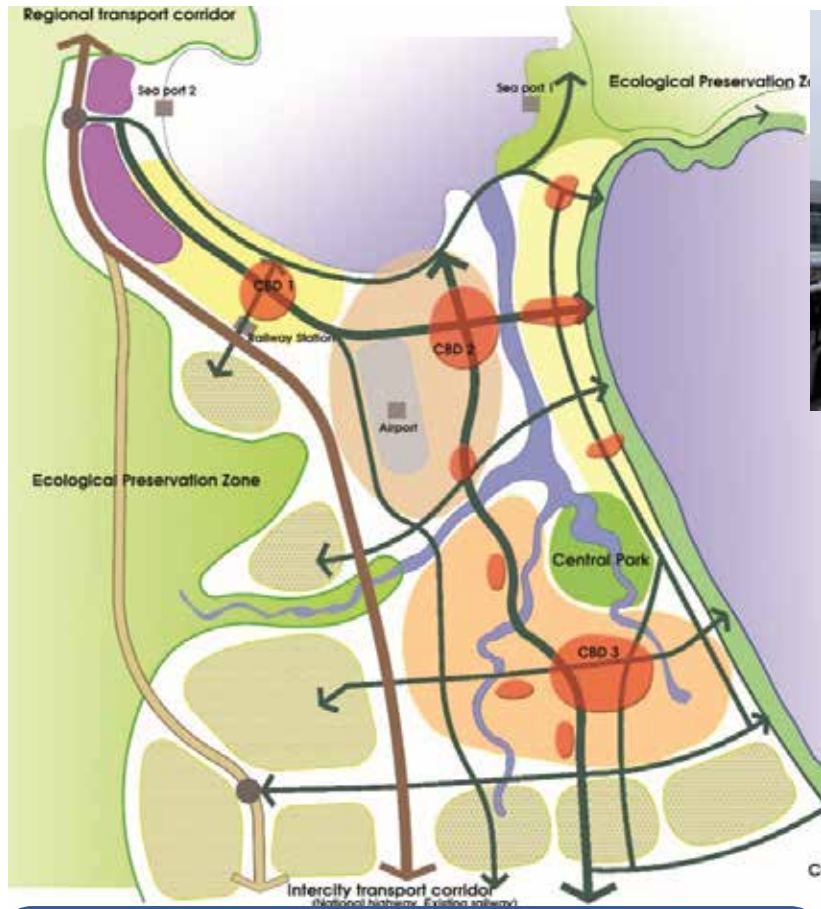
Support for the formulation of a Master Plan

- Cebu
- Da Nang
- Bangkok
- Batam

overview



Identification of priority issues



- Future Urban Structure
- 6 Cross-cutting Actions
- 5 Programs/Projects

Technical Visit in Yokohama city



Six(6) Cross-cutting Actions and Five(5) Major Programs/Projects formulated in the Action Plan for Sustainable Development

Six(6) Cross-cutting Actions

Action 1: Elaborate Integrated and Sustainable Urban Development Strategies

Action 2: Redefine and Elaborate Development Strategies based on Focal New Industries to Increase Competitiveness

Action 3: Update “Environment City of Danang” and Formulate an Integrated Strategic Plan for a new “Environment City” Manifesto

Action 4: Build a Sustainable Funding Mechanism and an Infrastructure Development Method

Action 5: Establish a Comprehensive Human Resource Development System

Action 6: Spatial Plan Management

Five(5) Major Programs/Project

Program/Project 1: Scale-up Environment Improvement Projects

Program/Project 2: Develop Integrated Danang Port System (Lien Chieu and Tien Sa Ports)

Program/Project 3: Develop a Comprehensive Public Transport Network and Transit-oriented Development (TOD)

Program/Project 4: Develop Mixed-Use Multifunctional New Town(s)

Program/Project 5: Strengthen Natural Disaster Management System

City to City Collaboration in Da Nang

2013
Concluding the MoM on technical cooperation on sustainable urban development

2015
DOFA's Yokohama branch established.

2018
Conclusion of the MoM in nursing care

2014 ~
Da Nang Urban Development Forum

2014-2016
JICA Data Collection Survey on Sustainable and Integrated Urban Development in Danang (Urban Development Forum, Urban Development Action Plan)

Da Nang Urban Development Action Plan

JCM

2015-2016
MOE JCM Feasibility Study through City to City Collaboration for Low Carbon Society

2016-
Financing Program for JCM Model Projects (Introduction of High Efficiency Water Pumps in Da Nang City)

Utilizing JCM Fund

Energy

2015-2017
JICA FS and Pilot Project for Disseminating SME's Technologies (Verification Survey with the Private Sector for Disseminating Japanese Technologies on Saving Analysis and Improvement by Simplified Environment Measurement in Vietnam)

Port

2016-2017
METI Study for Quality Infrastructure (Study for Lien Chieu Port Development Project)

2018-
METI Study on business opportunity of High-quality Energy Infrastructure to Overseas (Project for maintaining cold chain system in Tho Quang Port)

Solid Waste Management

2017-2019
JICA Partnership Project (Solid Waste Management Project for promoting segregation and recycling in Da Nang City)

Environmental Sanitation

2017-
JICA Feasibility Study and Pilot Project for Disseminating SME's Technologies (FS for Da Nang Industrial Wastewater Management)

Wastewater treatment

2015-2016
Preparatory Survey on Danang City Water environment Improvement Project

Transportation

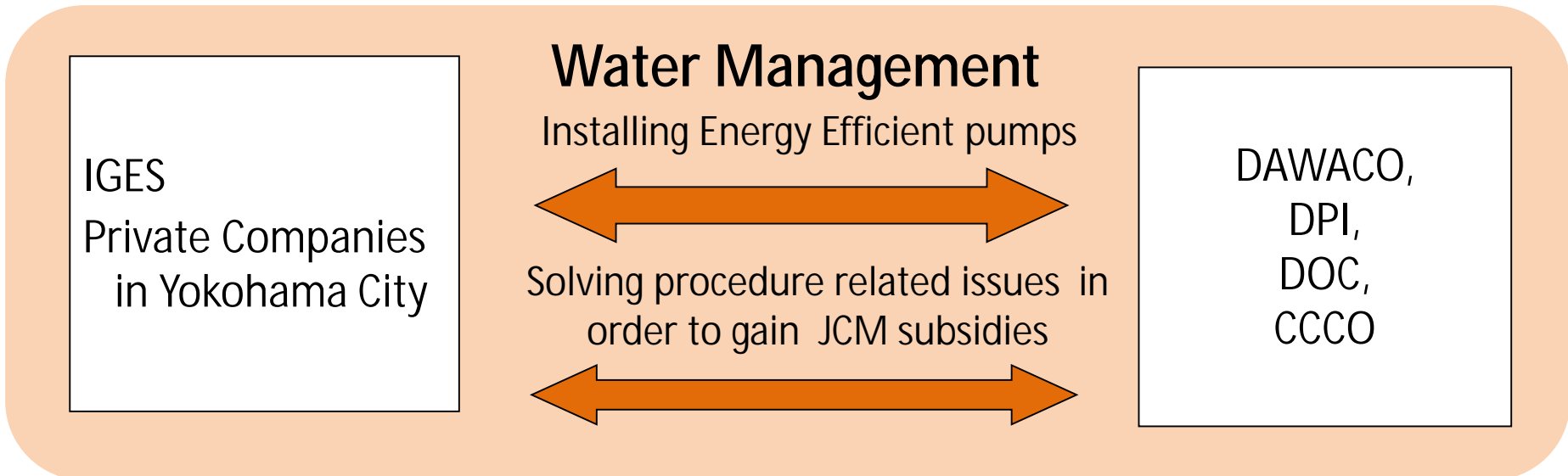
2018-
METI Study on business opportunity of High-quality Energy Infrastructure to Overseas (FS for introducing AGT system in Vietnam)



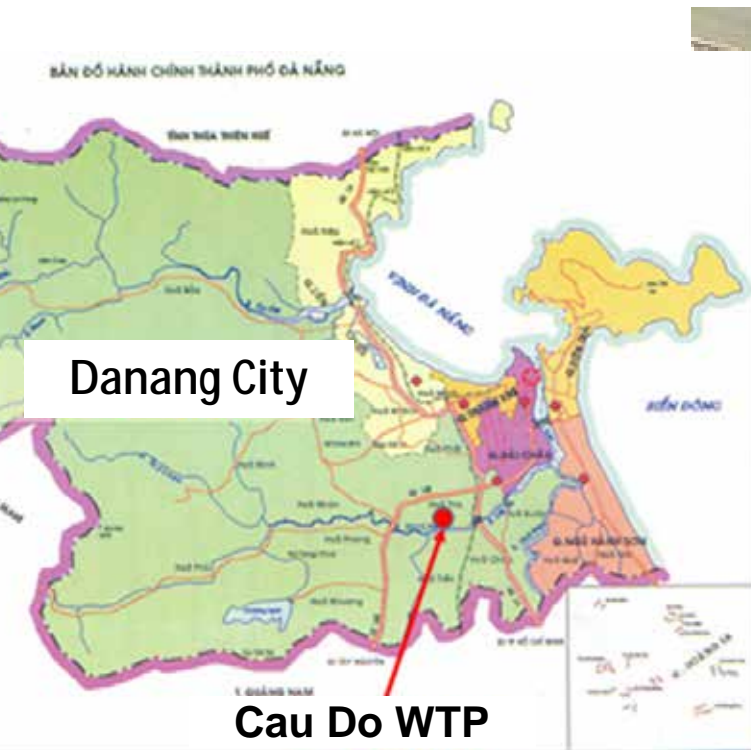
Y-PORT CENTER

Yokohama Urban Smart Solution

JCM Feasibility Study in Da Nang through “Technical Cooperation for Sustainable Urban Development” with Yokohama City in 2015



- Yokohama water Co., Ltd. conducted a JCM model project on Introduction of High Efficiency Water Pumps at the Cau Do Water Treatment Plant



Pumps at the Cau Do WTP

Energy Saving (Co2 emission Reduction)

Yokohama based Company, Osumi Co., Ltd., is now carrying out the Pilot project on Energy Saving Analysis and Improvement by Simplified Environment Measurement

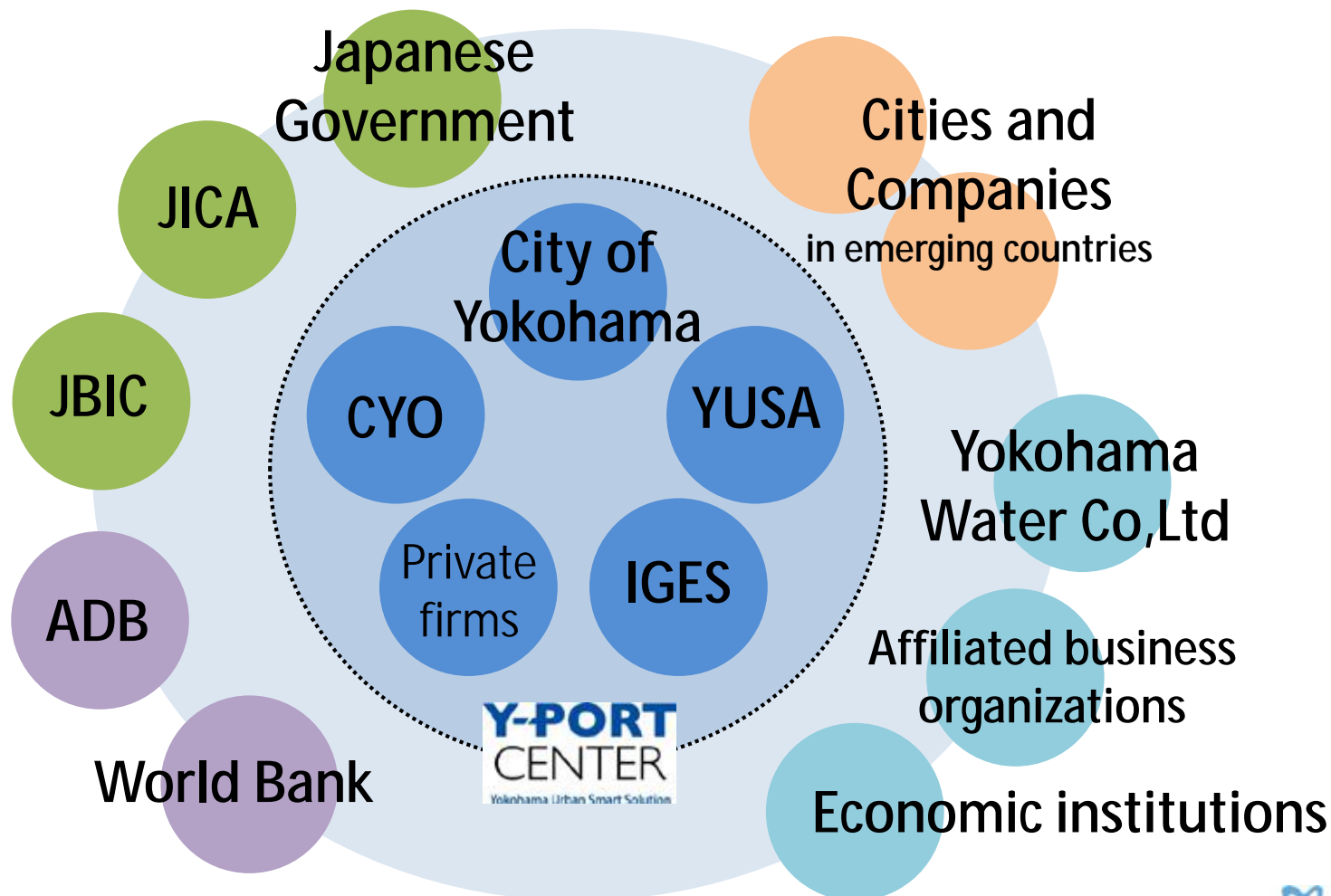


Boilers at Factories



Air conditioning systems at buildings

Establishing a knowledge hub 《Y-PORT Center》



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

Member companies of YUSA

Members

Oct 2018



Osumi Co., Ltd.



CARBON FREE CONSULTING CORPORATION



GUUN Co., Ltd.



JFE Engineering Corporation



Takenaka Corporation



TAKEMATSU Co., Ltd.



TOSHIKOGYO CO., LTD.



Finetech Co., Ltd.



MACNICA, Inc.

Associate Members

Supporting Members



KPMG AZSA LLC



Laboratory for Ecological Reconstruction Science



JFE Kankyo Corporation



JVCKENWOOD Corporation



Genesys Corporation



Jibannet Co., Ltd.



Sampo Japan Nipponkoa

Sampo Japan Nipponkoa Insurance Inc.



Mizuho Bank Yokohama Branch



SYUNJYU-SYOUJI Corporation



Suidou Technical Service Co., Ltd.



SUMISHO MACHINERY TRADE CORPORATION



Sodick LED Co., Ltd.



NEC Corporation



W-SCOPE Corporation



Maruchu Inc.



Sumitomo Mitsui Banking Corporation



Unimation System, Inc.



YOKOHAMA KANKYOHOKEN CORPORATION

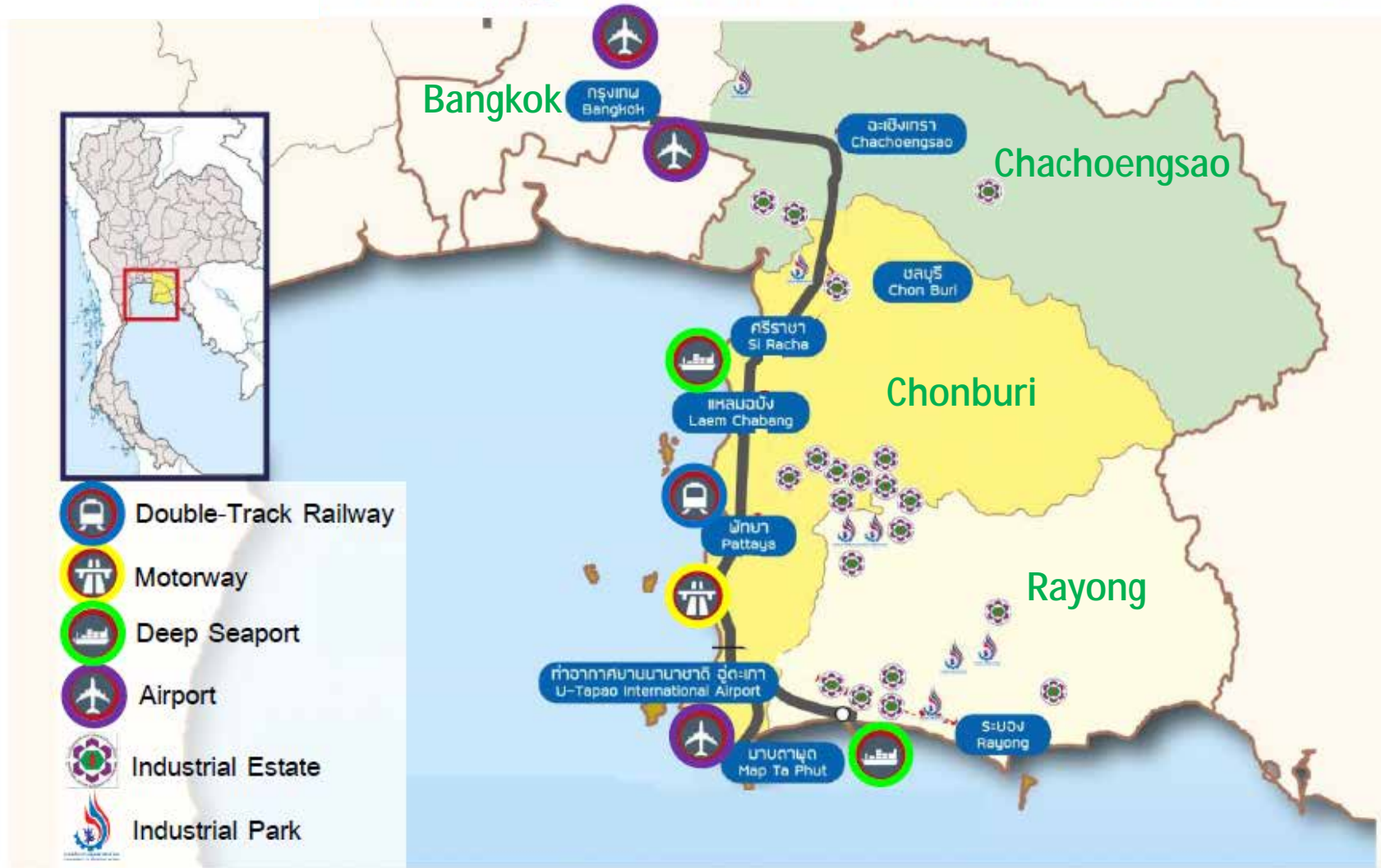


The Bank of Yokohama, Ltd.



Eastern Economic Corridor in Thailand

Existing Industries and Infrastructures



Y-PORT CENTER – Knowledge hub for smart city management

Please visit our web site:

<http://www.city.yokohama.lg.jp/kokusai/yport/en/>

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International Affairs Bureau

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7TH Asia Smart City Conference Nov. 13-15th 2018 in Yokohama



【 Inquiry 】 The 7th ASCC Management Office
<http://www.city.yokohama.lg.jp/kokusai/yport/en/ascc/>
Email : ki-ascc@city.yokohama.jp

【 Co-located Event 】 **Yokohama Info-Market!**
Nov.14 10:00-16:00 / Nov.15 9:30-14:00

Ø To provide opportunities for networking between
Japanese businesses and overseas participants
seeking solutions for urban issues

