Developing JCM Projects Through the City-to-City Collaborations Under Y-PORT (Yokohama Partnership of Resources and Technologies) Development Cooperation Division International Affairs Bureau City of Yokohama COP 22 Japan Pavilion on 8th November 2016 Phot Source: Port and Harbor Bureau, the City of Yokohama

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1. Introduction of Yokohama City and Its Development History

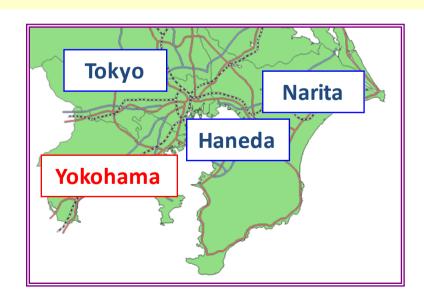


Overview of Yokohama City



- ➤International port city

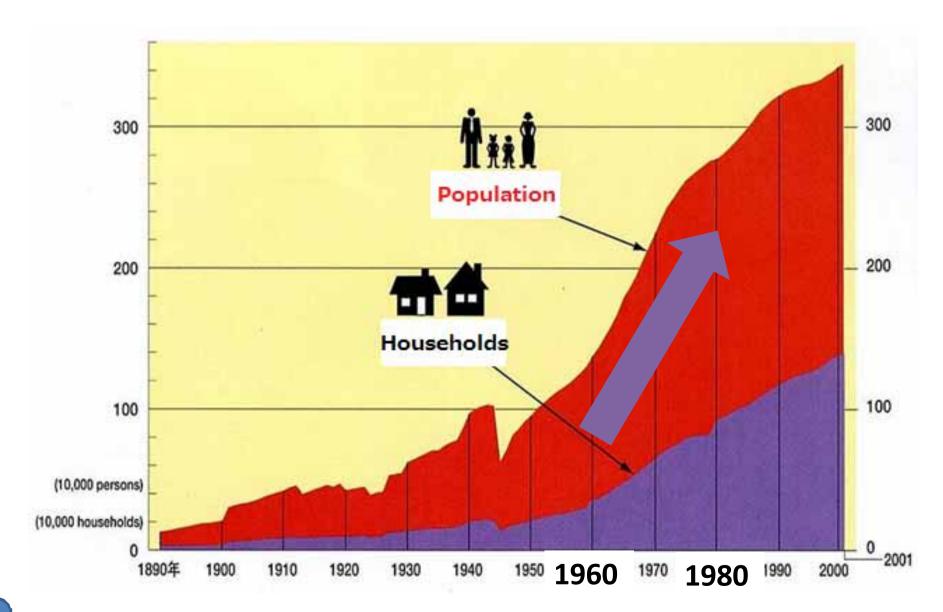
 Opening of port of Yokohama in 1859
- ➤ Population: approx. 3.7 million Largest municipality in Japan
- ➤GDP: approx. 12.7 trillion JPY
- ➤ Approx. 20 minutes from Haneda Airport (Tokyo)



History of Yokohama's Urban development



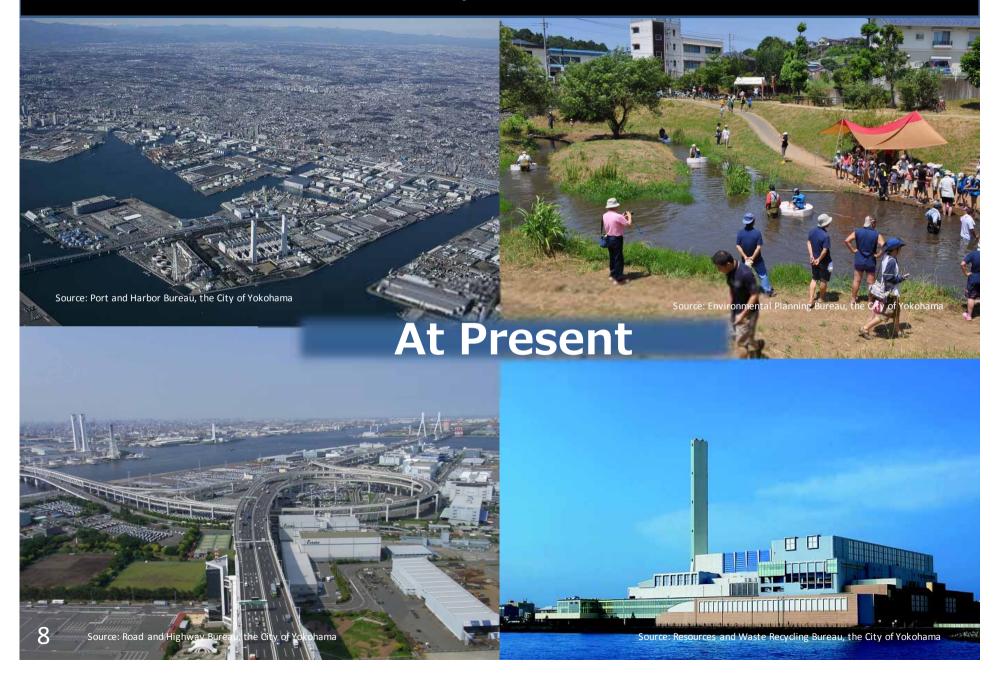
City of Yokohama faced rapid urbanization during 1960s to 80s



Due to Rapid Growth



Towards Sustainable City



External Recognition on Achievement by the City of Yokohama

LEE KUAN YEW WORLD CITY • PRIZE

2014 SPECIAL MENTION: CITY OF YOKOHAMA







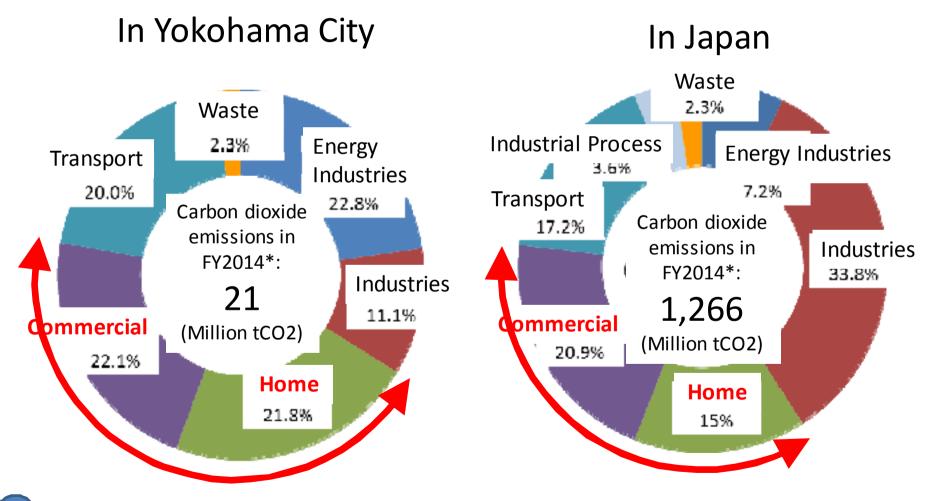
- ➤ The Lee Kuan Yew World City Prize is a biennial international award that honours outstanding achievements and contributions to the creation of liveable, vibrant and sustainable urban communities around the world.
- In 2014, Yokohama was selected for Special Mention, and will be awarded during the World Cities Summit in June.
- Yokohama was recognised for overcoming its urban challenges faced over the last 40 years through excellent partnership with its citizens and stakeholders. Also the Y-PORT programme was mentioned for its clever marriage of economic growth and international contribution by tying up with local businesses to export urban solutions to emerging cities.

2. Challenges for Global Warming in Yokohama



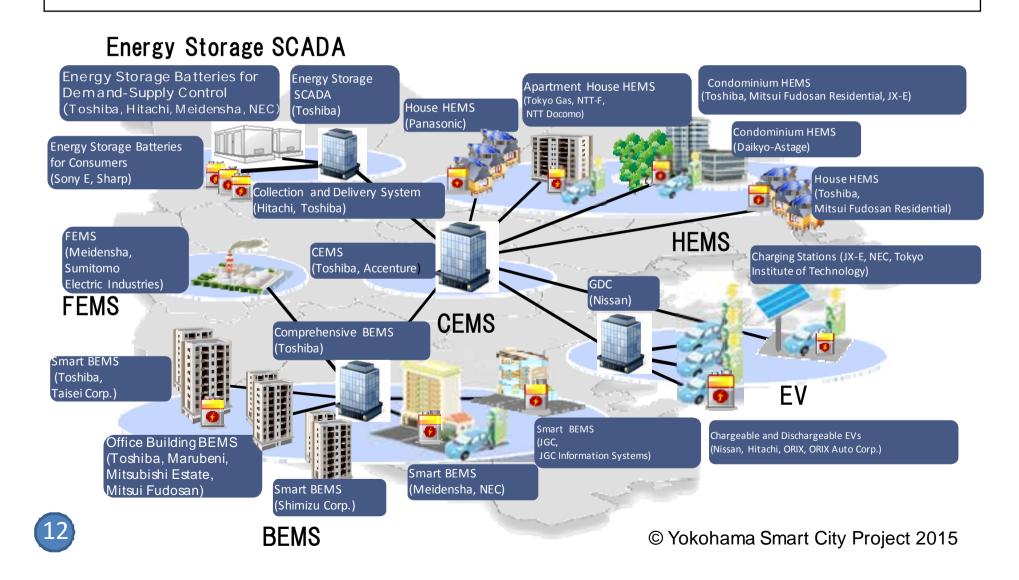
CO2 emission in Yokohama City

Yokohama city emitted CO2s more by household and commercial sector because of the largest population in Japan



Yokohama Smart City Project (YSCP)

■ Results (To FY2013) / Targets (FY2010-FY2014)
HEMS(Home energy management system) (4,200/4,000) PV (37MW/27MW) EV (2,300/2,000)



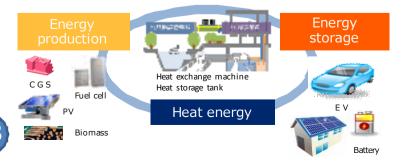
Yokohama Smart Business Association (YSBA)

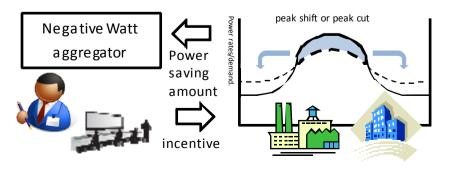


Achievement of an "Energy - recycling City"

Promote local energy production for local consumption

Use BEMS to verify public fa cility demand response





Aiming for an Energy Recycling City

Main measures (5 pillars) of Energy Action Plan established in March 2015

BEMS

Development of energy management



Use of renewable/unused energy

Use of hydrogen



Introduction of energy-saving technology

Integration with urban development



3. Our Efforts to Develop JCM Projects through City to City Collaboration (Y-PORT Project)



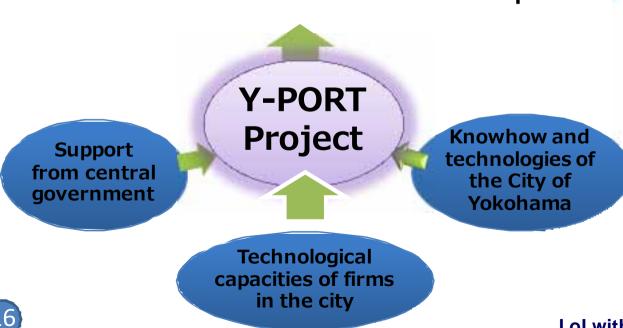
Yokohama's International Development Cooperation — Y-PORT

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 ADB



Lol with the City of Batam in May, 2015

Master Plans which the City of Yokohama has worked together with Four Cities under City-to-City collaboration

Bangkok, Thailand

 Bangkok Master Plan on Climate Change



JICA

JICA Report

"Technical cooperation project on the Bangkok master plan on climate change 2013-2023 in the Kingdom of Thailand" (1)http://libopac.jica.go.jp/images/report/P1000025878.html
(2)http://libopac.jica.go.jp/images/report/P1000025879.html

Da Nang City, Vietnam

 Da Nang Urban Development Forum (Making Urban Development Action Plan)



JICA

Yokohama City

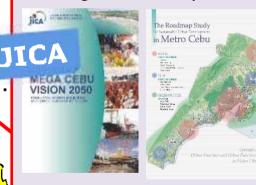
JICA Report

"Data collection survey on sustainable and integrated urban development in Danang final

report" http://libopac.jica.go.jp/images/report/P1000026544.html

Cebu City, Philippines

• Mega Cebu Roadmap 2050



Batam City, Indonesia

Project Mapping (planned)
 based on Batam Green Cities Program



Under Implementation in JCM Study in JFY 2016

JICA Report

"The Roadmap study for sustainable urban development in Metro Cebu final report "

http://libopac.jica.go.jp/images/report/ P1000022002.html

JCM Projects as one of Schemes to Make the City's Plan and Prioritized Initiatives into Shape

Making Master Plans and Action Plan



Capacity buildings through working together for city's plans



BMA

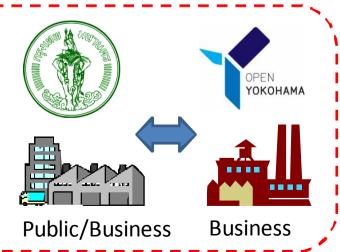
Yokohama

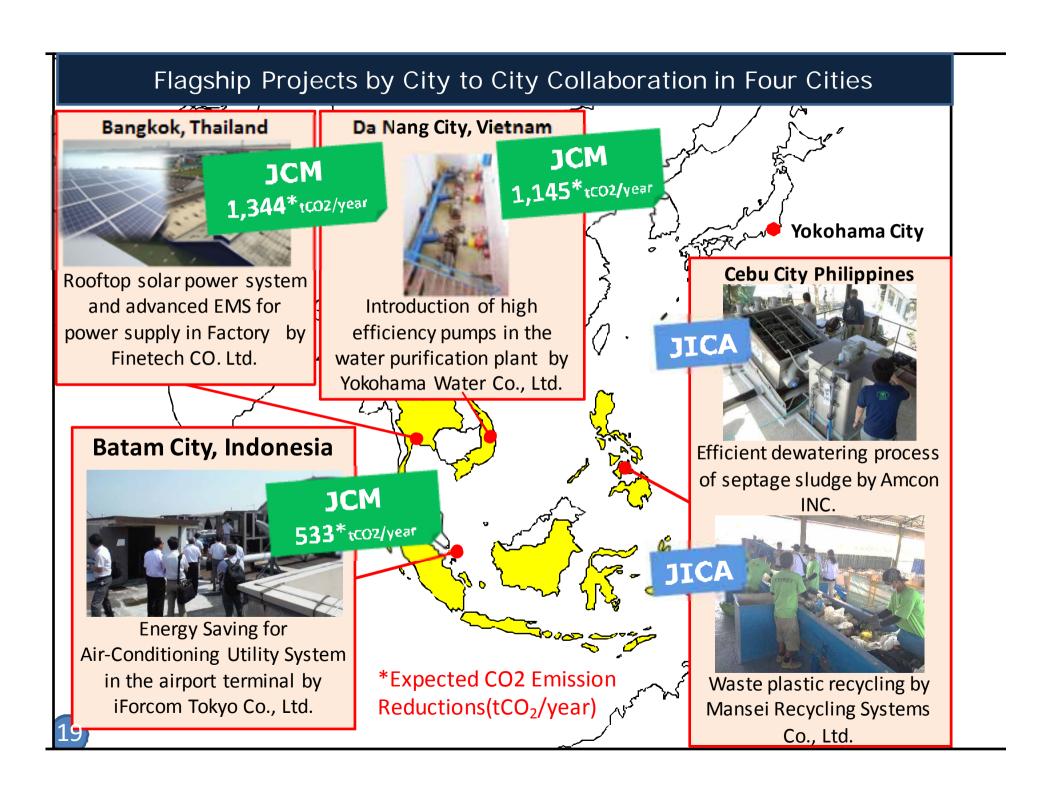
Implementation with Private Sector



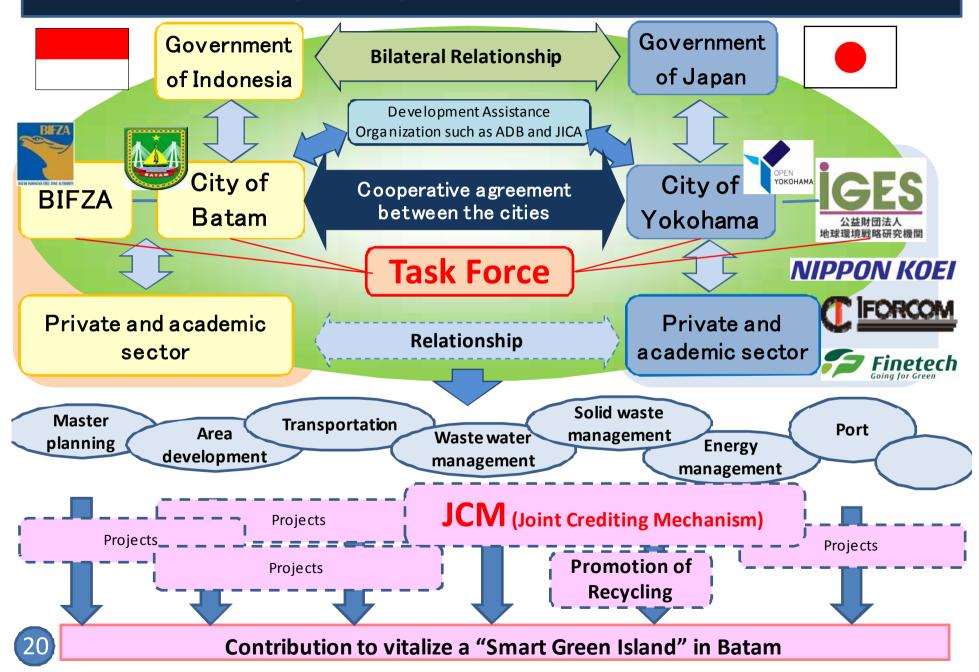
Project Implementation for Sustainable Urban Development

(JCM Finance)



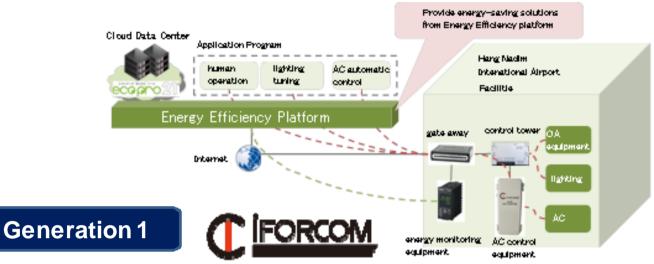


Framework of City-to-City Collaboration with Batam in this Year



Phase approaching by JCM in Batam City





Energy-saving A/C System for the Airport terminal

Preliminary approval by GEC/MOEJ with JCM Financial Support



Generation 2

- Energy-saving at Ferry terminals
- Energy-saving at Hospitals
- Energy-saving at Hotels

Feasibility studies are on going in JFY 2016

Aiming to spread benefit over whole of the City

> From Flagship Model Project to wide-range fields of projects



Sharing best practices on smart urban solutions

JOIN the 5TH ASIA SMART CITY CONFERENCE on 16th-18th November in Yokohama, Japan



Y-PORT CENTER – Knowledge hub for smart city management

Please visit our web site:

ADB

Asian Development Bank

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



International Affairs Bureau
City of Yokohama, Japan

Development Cooperation Division,

Email: ki-yport@city.yokohama.jp



Yokohama Urban Smart Solution

Government of Japan Cities in emerging economies JICA Japan International Cooperation Agency JBIC Japan Bank for International CITYNET Cooperation City of Yokohama Yokohama Project Office -PORT IGES Private firms Institute for Global Environmental in Yokohama Economic Strategies

Yokohama Water Co, Ltd.

institutions in Yokohama

Financial institutions

Thank you for your attention