

# Yokohama Smart City Project

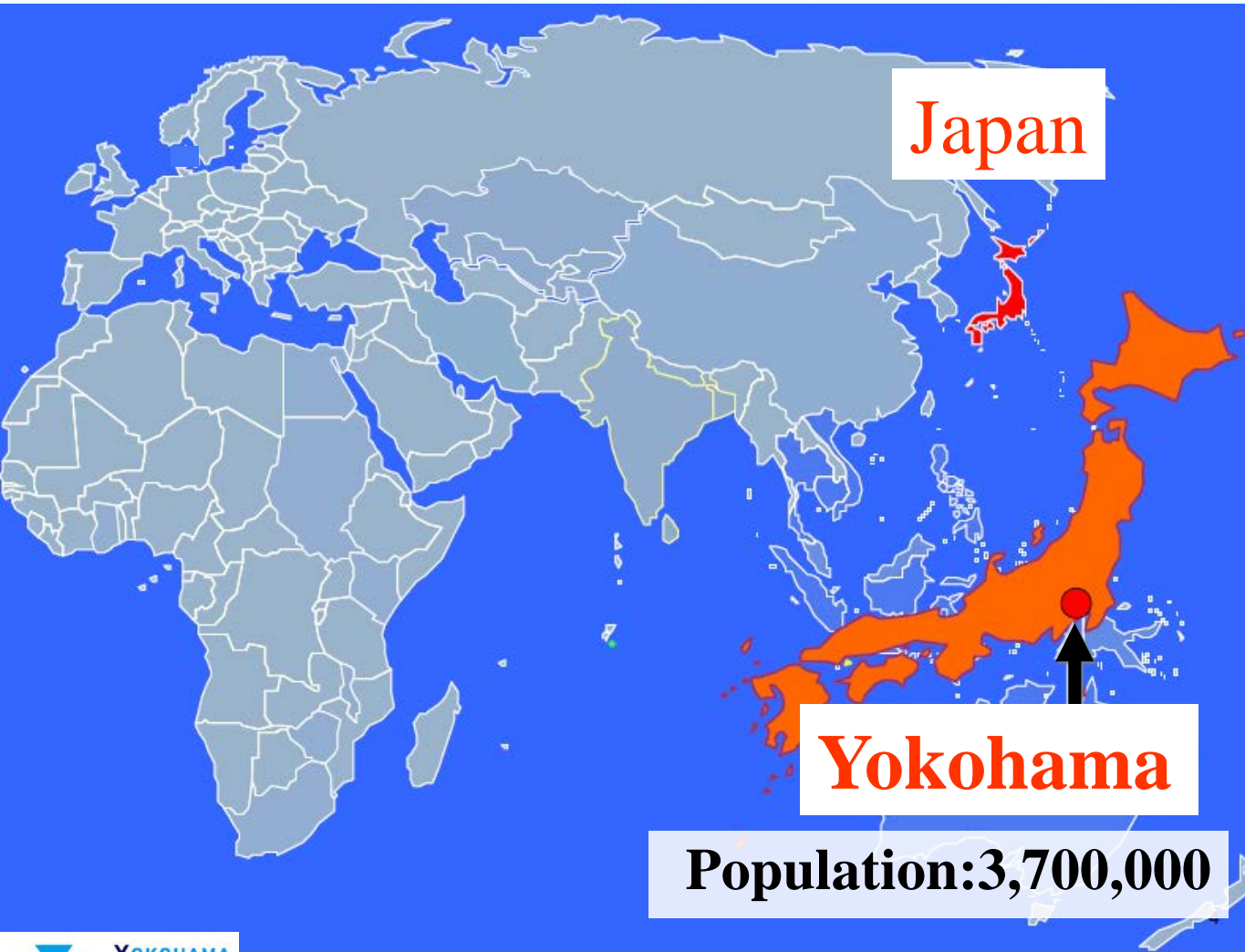


Climate Change Policy Headquarters  
City of Yokohama



1. Overview of Yokohama
2. Yokohama Smart City Project (YSCP)

# Overview of Yokohama





## Experience in Urban Development

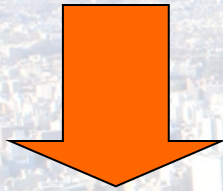
Experiences of overcoming pollution and other issues specific to urban cities



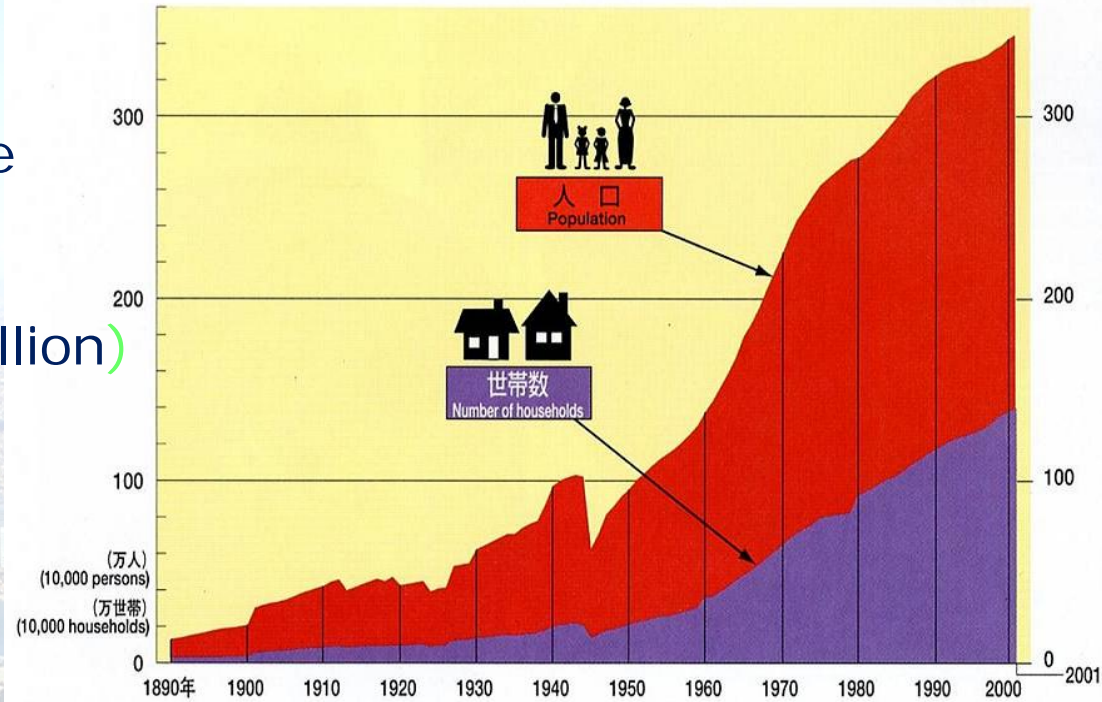


# Urban problems caused by the rapid population growth

The population doubled in the 20-year period between 1960 and 1980 (from 1.37 million to 2.77 million)



- ① Shortage of housing and uncontrolled development (urban sprawl and rapid disappearance of open green spaces)
- ② Underdevelopment of social infrastructure (schools, roads and sewage)
- ③ Development of environmental problems (urban wastes and mixed areas of residential and industrial land uses)





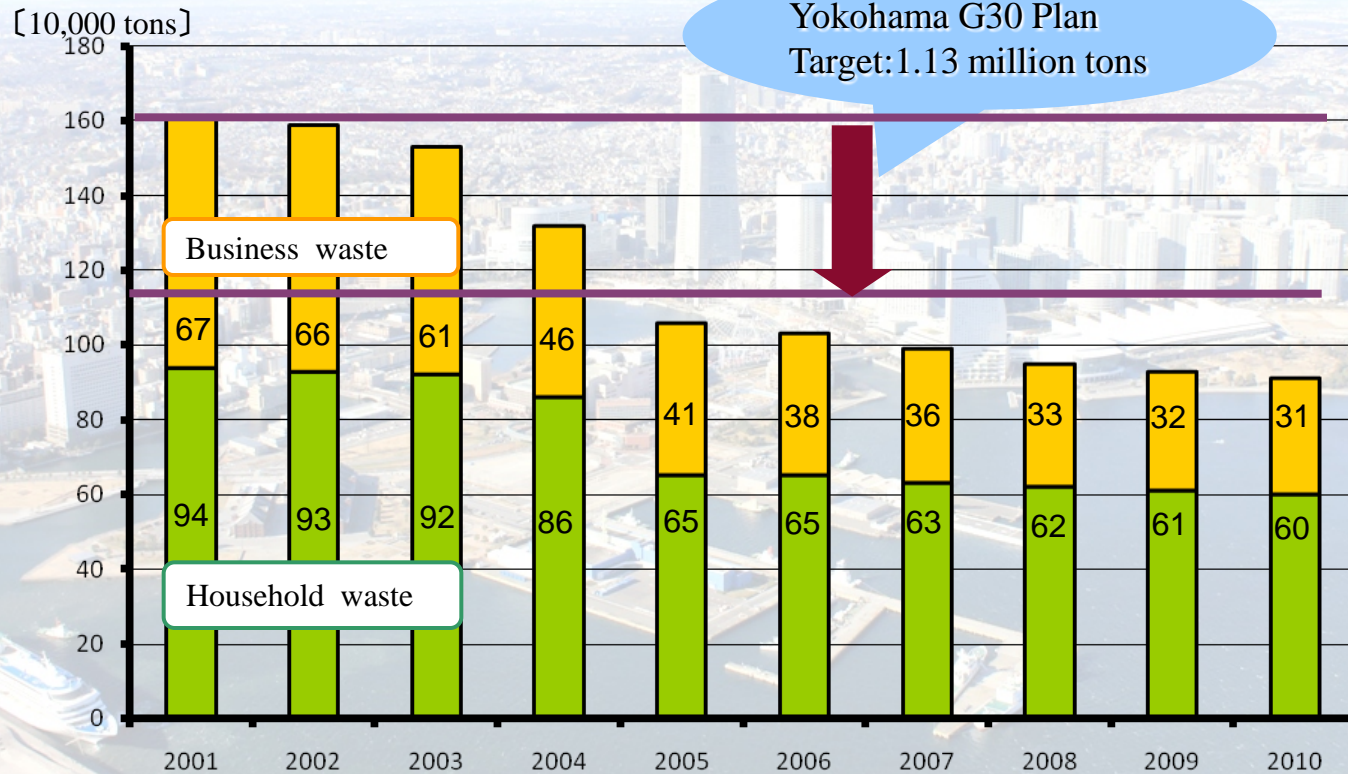
# Urban Challenges: Rapid Urbanization and Pollution

*Polluted airs and water, traffic jam* • •





## Power of Yokohama Citizens



## FutureCity Initiative



**Environmental Value**

Low Carbon / Energy  
Conserving / Water / Air



**Solar Panels**

**Creativity/Challenge**

**Super Aging Society**

**Economic Value**

**Social Value**





# Yokohama Smart City Project

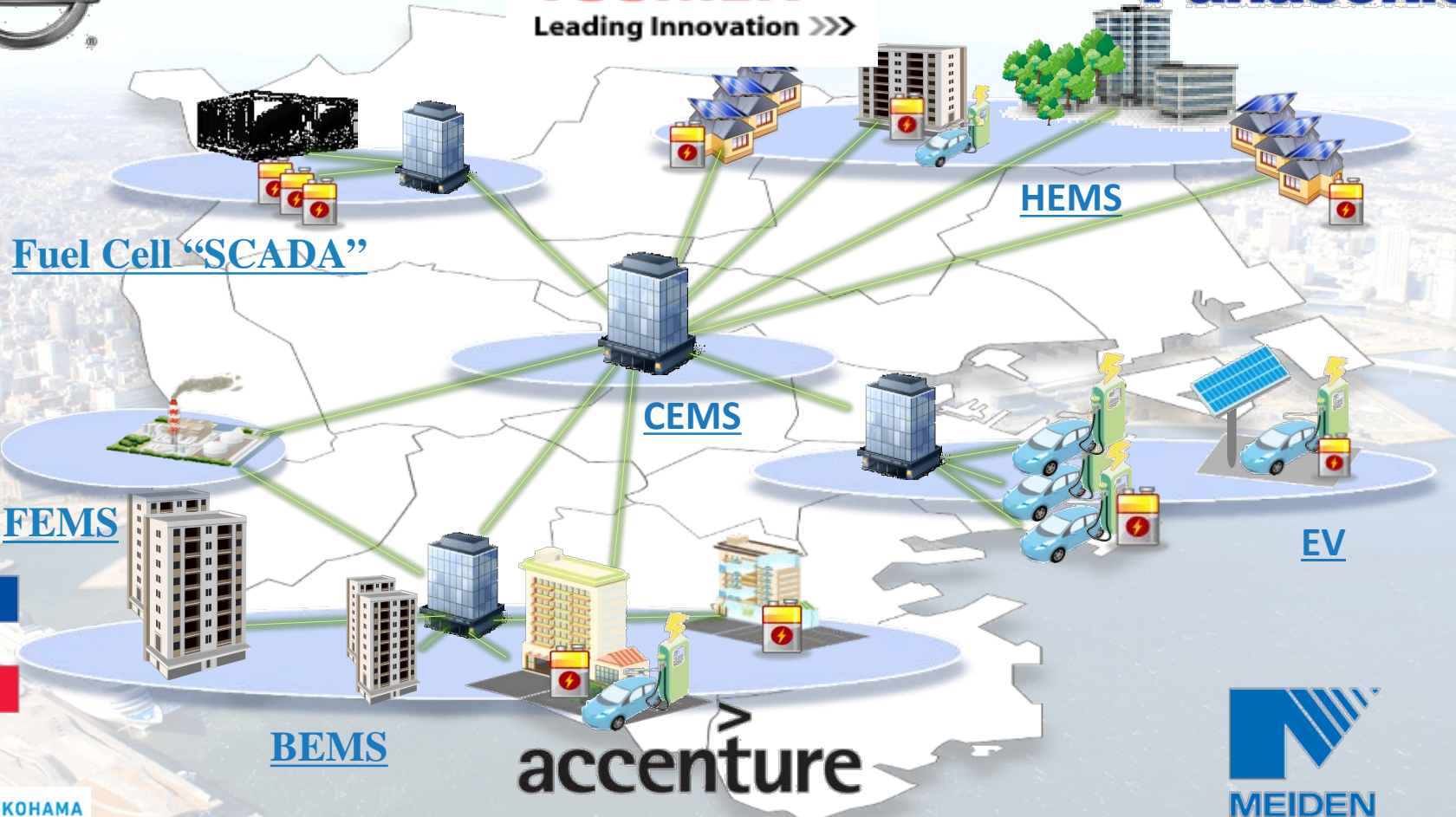


## Making Yokohama the World Leading Smart City



**TOSHIBA**  
Leading Innovation >>>

**Panasonic**

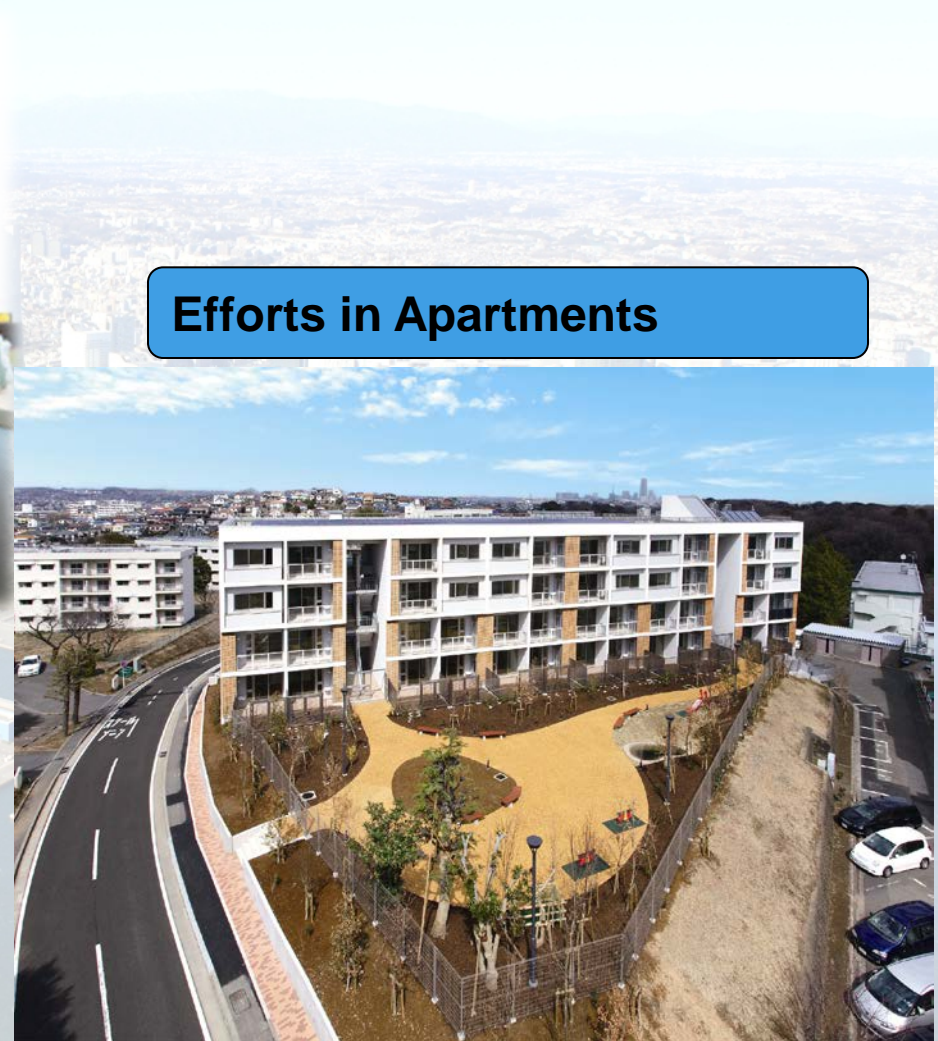


Target by 2014: PV27MW, 4,000 HEMS, 2,000 Electric Vehicles

## HEMS (Home Energy Management System)



Efforts in detached houses



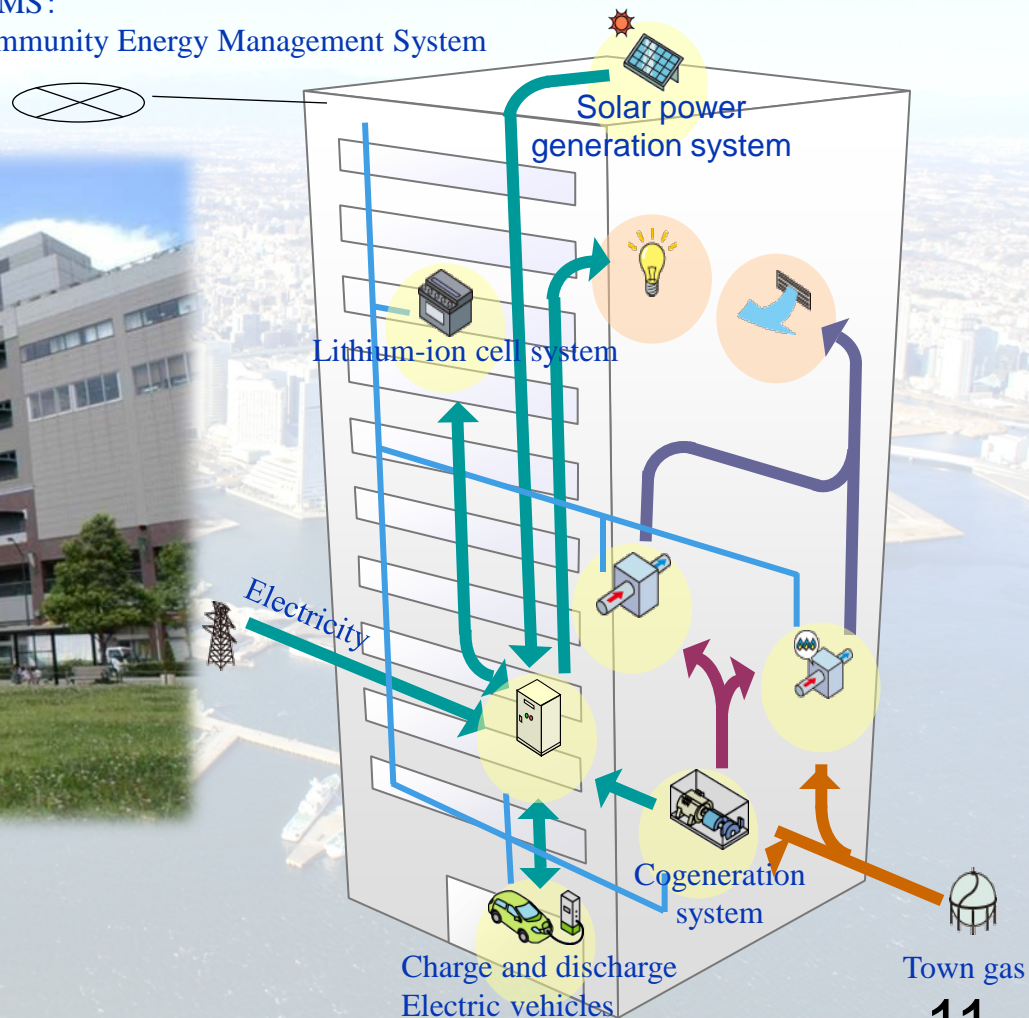
Efforts in Apartments



# Optimization of Energy Use by Buildings

## BEMS (Building Energy Management System)

CEMS:  
Community Energy Management System





# Making Yokohama a City of Electric Vehicles

New Mobility Concept



EV sharing in industrial area and shopping district

Not only means of transportation, but also function of storage battery





# Lessons learned & Challenges for next step

## Development of a New Business Model and Job Creation



## Citizen Participation for Smart Lifestyle



## Contribution to Solving Urban Problems in Other Cities





# Business Matching between Japanese Leading Companies and SMEs - Job Creation

Yokohama  
Smart City Project

**Leading Companies**

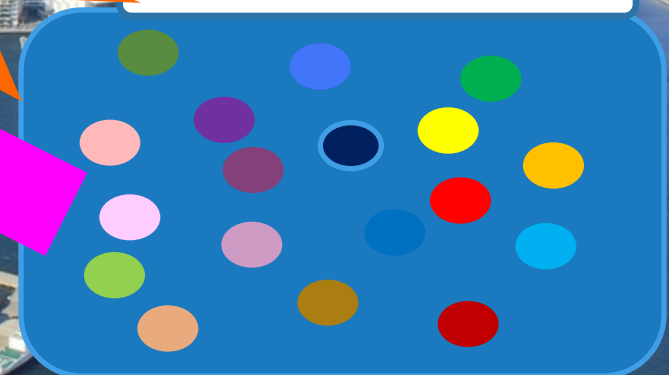


**Demonstration of cutting-edge  
Technology**

**New Business  
&  
Job Creation**

**SMEs in Yokohama**

**Unique Technology  
of SMEs**



Yokohama Green Valley Project



# Great East Japan Earthquake - Assistance for disaster areas



**Yamamoto town, Miyagi Prefecture**



**Minamisanriku town, Miyagi Prefecture**



**City of Yokohama assists disaster areas by joining the advisory boards and developing plans**





# Contribution for urban problem all over the world



The first 6 “Eco 2 Cities”  
Yokohama (Japan) ,Brisbane (Australia)  
Curitiba (Brazil), Stockholm (Sweden),  
Singapore, Auckland (New Zealand)

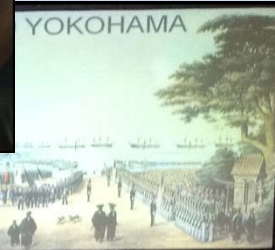


C40: International Group for environmental issue

# CITYNET



‘FutureCity’ Yokohama in  
Rio de Janeiro, Brazil  
(Rio+20, 2012)



Asia Smart City Conference,  
Yokohama, (October, 2012)





# Thank you



For Smarter Cities, For a Smarter Earth

