Challenges toward “Future City” in Yokohama

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About Yokohama

- International port city
  Opening of port of Yokohama in 1859
- Population: approx. 3.7 million
  Largest city in Japan
- GDP: approx. 12.7 trillion JPY
  (approx. $150 billion USD)
- 21 minutes from Haneda Airport (Tokyo)
- Rapid growth and urbanization
Tackling future problems in Yokohama

◆ Increase of GHG emission
  - Rapid population growth (3.5 times that of 60 years ago)
  - Population in Yokohama expected to increase until 2020

◆ Super aging at rapid pace
  - Yokohama to face super aging society around 2012 with a rate of more than 21%
  - Population over 65 in Yokohama exceeds 1 million in 2025
The “FutureCity” initiative has been implemented as one of the “New Growth Strategy” projects launched by the Japanese government.

- Japanese government selected a few cities as “future cities”, to serve as successful models for resolving issues such as environment and super-aging society.
- Japanese government will offer support to the selected cities through such measures as concentrating a budget in relation to FutureCity projects.

11 cities, including Yokohama, were selected as “FutureCity” (December 2011)
Yokohama as “FutureCity”

Environmental Value
- Low carbon, Energy conservation
- Water and atmosphere
- Natural environment, Biodiversity
- Waste management, etc.

Social Value
- Healthcare and medical services
- Nursing and welfare
- Prevention of disaster
- Childcare and Education, etc.

Economic Value
- Creating stable employment
- Sightseeing / New industries
- Industry-government-academia cooperation, etc.

Technology, Socioeconomic system, Service, Business models, City planning

Environment

Super-aging

Creativity / Challenges
1) Low CO\(_2\) and Energy Conservation

- City-wide implementation of “Smart City” to realize safe and self-supported energy supply

Establishment of community energy management systems (CEMS) by

- Large-scale introduction of renewable energy sources
- Rapid progress in diffusion of Electric Vehicle (EV)
- Introduction of home energy management systems (HEMS)

Offer Yokohama’s know-how on various Smart City Solutions
2) Water and Environment

- International contributions by introducing technology and know-how accumulated in Yokohama

  - Support private companies to develop projects for water infrastructure overseas
  - Support environmentally-friendly urban development in developing countries
  - Cooperation to improve water situation in developing countries by dispatching city officials and accepting trainees
  - Realization of “clear ocean” by considering the scenery, water environment, and biodiversity
3) Consideration for super-aging society

◆ Formation of sustainable community and development of compact city
- City with various facilities within walking distance from train station to facilitate senior citizens’ daily life
- Enhancement of life assistance
- Cooperation between medical services and welfare services
- Residence where senior citizens can communicate with other generations and where they do not have to worry about assistance

Comfortable and convenient city for every generations
4) Creativity

◆ Creation of a city with world-class cultural and artistic activities

● Holding of continuing arts, dance, and music festivals, setting a standard

◆ Toward a MICE city where people from around the world interact

● Attractive city for MICE, based on our experience in international convention
5) Challenges toward Economic Growth

◆ Strengthen growing industries by improving the technology and management of local companies
◆ Establishing an infrastructure for attracting global companies

● Creation of a district for life sciences
● Strengthening the international competitiveness of the port of Yokohama
Domestic and International Networks

Cities in Japan

- Collaboration with many local governments
- Contribution to areas affected by disasters

Cities overseas

- Collaboration with partner cities
- Promotion of Y-PORT
  (Supporting infrastructure development in developing countries through industry-government-academia Collaboration)

- Collaboration with JICA

Partner cities overseas:

Sister-Friendship Cities:
San Diego, Lyon, Mumbai, Manila, Odessa, Vancouver, Shanghai, Constantza

Partner Cities:
Beijing, Busan, Incheon, Taipei, Hanoi, Ho Chi Minh, Frankfurt

Sister-Friendship-Trade Cooperation Ports:
Oakland, Vancouver, Shanghai, Melbourne, Dalian, Hamburg

World bank selected 6 cities including Yokohama as “Eco 2 Cities” which has achieved ecological and economic sustainability. The cities are expected to support developing countries.

Exchanging memorandums with the City of Cebu, the Philippines (March 2012)
Innovation Continues in Yokohama
Thank you for your attention