

2nd HIGH LEVEL SEMINAR on Environmentally Sustainable Cities

EAS Environmental Ministers Meeting

Kitakyushu's Initiatives to Create Low Carbon Societies in Asia

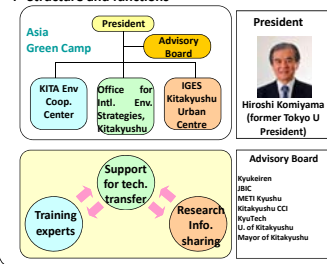
Kitakyushu City



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Center Structure & Functions

- 2050 CO₂ reduction targets**
Asian region: Corresponds to 150% of Kitakyushu region (= 23.4 million tons)
- Theme**
Promotion of a "Low-carbon Asia" through the consolidation of Japan's environmental technologies and utilization of environmental business techniques
- Establishment**
June 2010
- Structure and functions**



Support Measures for Technology Transfer

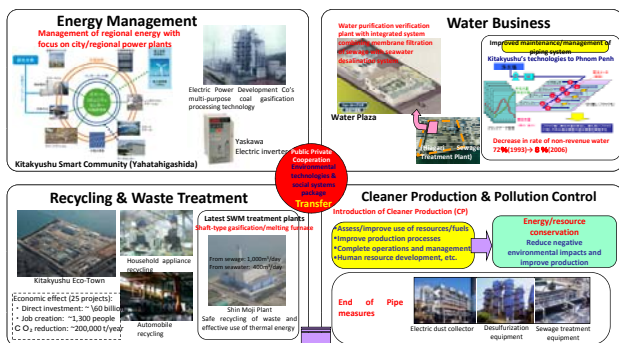
- Technology package
- Technology improvement in response to needs
- Support for verification testing
- Surveys to confirm marketability
- Financial and intellectual aid
- Business missions

Intercity Network for Technology Transfer



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Priority Fields for Technology Transfer



Japan's New Growth Strategy: One of 21 national strategic projects
Asian Development (Infrastructure package for overseas development)
Market scale: 19.7 trillion [Target to 2020]

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Development of Cooperation with Related Organizations (MoUs)

Conclusion of MoU between Kitakyushu and UNIDO in June 2010 on cooperation for the development of low-carbon society

Conclusion of MoU between JBIC and Kitakyushu in Dec 2009 on climate change measures and water infrastructure

Conclusion of MoU between K-RIP and Asian Center for Low-Carbon Society in June 2010 on cooperation to promote environmental business in Asian region

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Feasibility (Pre-Feasibility) Studies ①

1. Business development through the Kitakyushu Overseas Water Business Promotion Council (KOWBPC)

Establishment of the KOWBPC on August 31, 2010

Structure: 76 companies, 7 organizations, 3 academics
Activities: Understanding seeds/needs of private companies, onsite needs assessment overseas, study on techniques for overseas development through public-private cooperation, examination of issues towards project development

Proposals to the Hai Phong Sewage Project

Proposal is currently being examined to identify potential for the development / management of full water supply—from development of water resources, to the design, construction and management / operations of facilities for a project on the new establishment of four water purification plants in Hai Phong.

2. Cooperation for eco-regional development

Gujarat State (Delhi Mumbai Corridor Plan)
City of Surat: Formation of resource recycling base using concentrated industries (Eco-Town)
Dahej area: Development of smart communities

Future Development

- Support for the construction of GEPIL (Gujarat Enviro Protection & Infrastructure Pvt. Ltd) Eco-Town
- Identify potential projects to import difficult-to-treat electronic circuit boards and recover rare metals
- Aim at participation in smart community projects, such as desalination

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Feasibility (Pre-Feasibility) Studies ②

3. Cooperation with Dalian Eco-Town

Under construction on the coast of Dalian, Zhuanghe
Area: 12km², Investment: 15 billion yuan

Future Development

- Support to the development of grand design for recycling and SWM
- Identification of potential for promotion of individual recycling projects and improvement of SWM treatment facilities (incineration, landfill facilities)

Comprehensive package of experiences on the construction of the Dalian Eco-Town and aim at expansion to other cities in China.

4. Transfer of Kitakyushu Smart Community concept (Surabaya, Indonesia)

With a population of 3 million, Surabaya is the 2nd largest city in Indonesia
Use of close ties and trusting relationship created through international cooperation for business development

Future Development

- Smart community development of national construction groups
- Introduction of high-level system for waste and wastewater treatment

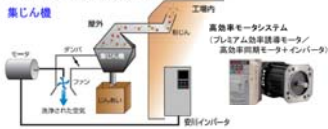
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The Center's 1st Project Supporting Technology Transfer

The Japanese Ministry of Economy, Trade & Industry appointed Yaskawa Electric Corporation for its FY2010 project promoting wider use of technologies that counter global warming

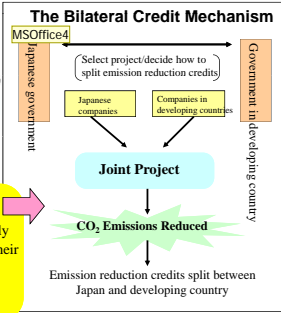
Yaskawa Electric collaborated with Kitakyushu Asian Center for Low Carbon Society to research the potential for reducing greenhouse gas emissions and to identify specific methods for encouraging wider use of highly efficient motor systems in the Chinese industrial sector. The research was based on trials conducted in Chinese factories.

適用を想定する工場動力設備例



Achieves approx. 30-50% energy saving per facility

Japan excels in energy-saving products, nuclear power generation and highly-efficient coal-fired thermal power. However, the current Kyoto Mechanisms do not adequately recognise these strengths, offering few opportunities for their application. The Center therefore intends to create a new mechanism for making the most of Japan's outstanding technologies and products to contribute overseas.



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Slide 7

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4/27/2012

Creating WIN-WIN Relationships

Cities in Asia

Less pollution & improved quality of life, as well as CO₂ reduction



Kitakyushu

Regional revitalisation due to environmental businesses overseas, operated primarily by Kitakyushu's own companies

Kitakyushu Initiative Network Cities



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