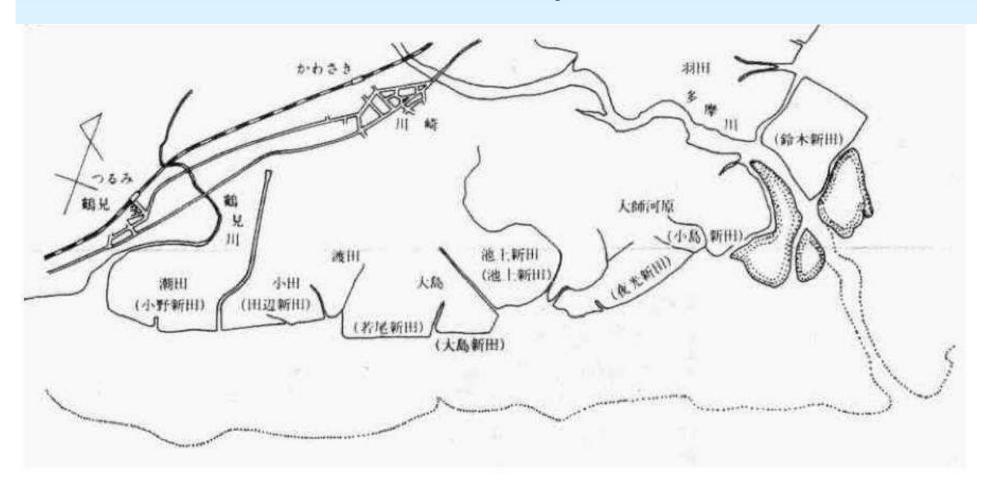


Kawasaki Water Front at the End of Meiji Era





An Initiative that successfully Tackled the Problem of Pollution

Kawasaki Water Front in the 1960's

Kawasaki Water Front at Present

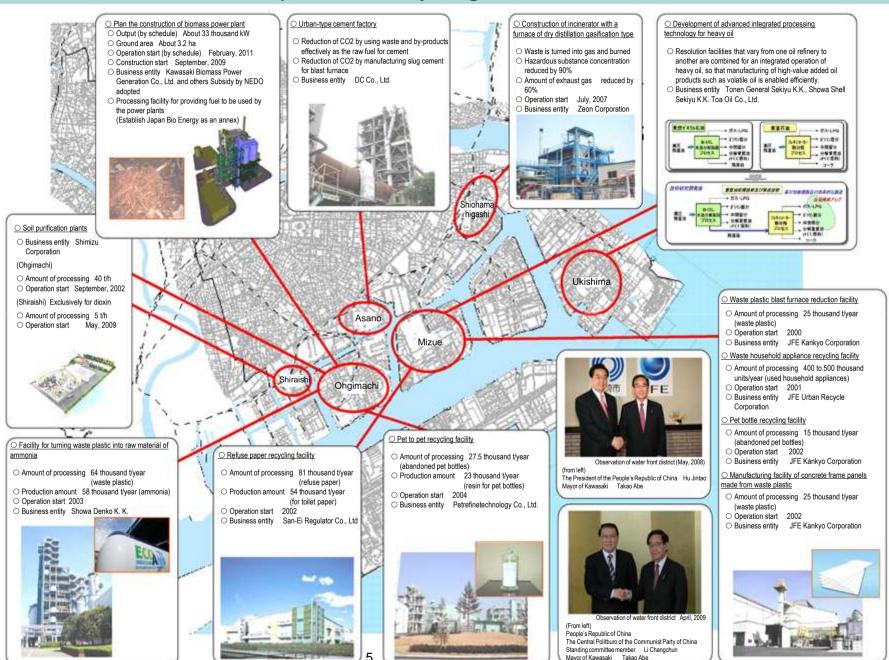




Initiatives toward Environmental Technologies on Kawasaki Water Front (Global environment/ Energy)



Initiatives Toward Environmental Technologies on Kawasaki Water Front (Resource recycling/waste)





Toward Establishment of Kawasaki Environment Research Institute in Tonomachi 3-Chome District

- Establishment of the General Environment Research Institute -
- The Kawasaki Environment Research Institute was established in Tonomachi 3-Chome district in Kawasaki-ku which is adjacent to Haneda Airport, as a hub for leading international competition
 - O Promoting environmental policies in a better-planned and more scientific manner to realize a low-carbon society and address regional environmental issues
 - O Promoting comprehensive research on the environment in liaison with Japan's National Institute for Environmental Studies, universities and private sectors having advanced environmental technologies.

Five functions introduced in the Kawasaki Environment Research Institute

- ◆ Function 1 Research aiming at Coexistence of City and Industry (Collaborative joint research with industry, universities, the public sector and citizens)
- Function 2
 Promotion of international contribution by Kawasaki's outstanding environmental technologies
- Function 3
 Collection and dissemination of information regarding Kawasaki's outstanding environmental technologies
- Function 4
 Monitoring, survey and research for further environmental improvements and prevention of environmental pollution
- Function 5
 Environmental education and learning in collaboration with diverse players

Toward Establishment of the Kawasaki Environment Research Institute in Tonomachi 3-chome District

- Establishment of General Environment Research Institute -

■ Dissemination of the cutting-edge environmental technologies as the hub of the environmental field

- O Disseminate information on the introduction of the latest environmental technologies or sample exhibitions
- O Promote visualization of environmental technologies, for instance, the effect on the reduction of CO2 emissions
- O Hold events at which visitors can see and feel the environmental technologies. One hub for eco tours on the Water Front

Environment-friendly design

<On Construction >

- ◆ Double outer wall to cut thermal load
- ◆ A well-hole style as an environmental device
- <Adoption of leading-edge green technologies>
- ◆ Use of BEMS
- Automated control of illumination and airconditioning
 - <Use of natural energies>
- ◆ Photovoltaic (PV) power generation
- ◆ Use of solar heat and underground heat

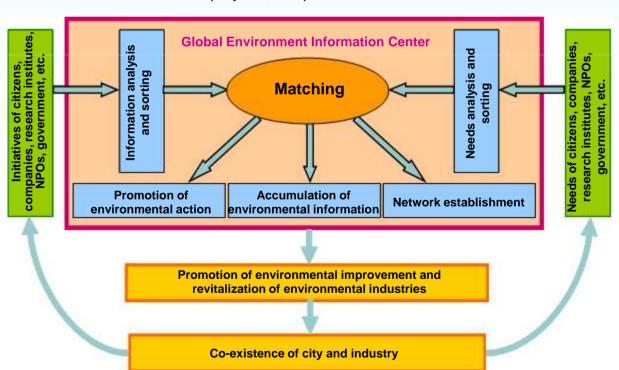


Toward Establishment of the Kawasaki Environment Research Institute in Tonomachi 3-chome District

- Establishment of general environmental Research Institute-

Initiatives toward the establishment (Activities of the Environment Technology Information Center)

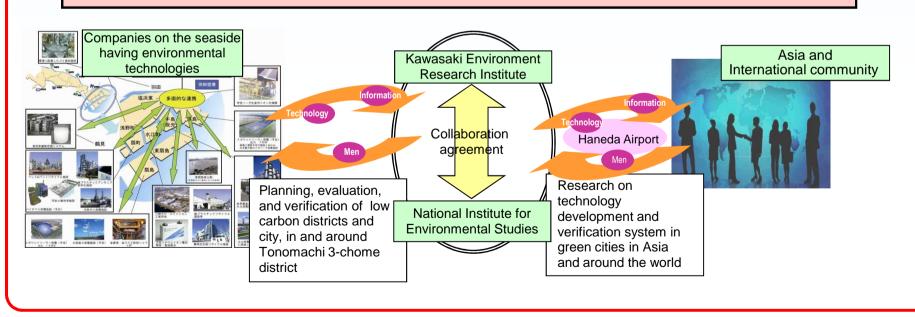
- ◆ In advance to the establishment of Kawasaki Environment Research Institute, the City of Kawasaki established the Global Environment Information Center in 2008.
- ◆ Initiatives toward the coexistence of the city and industry, such as the collection and dissemination of information on environmental technologies, joint research with the industry, academia, the private sector, citizens and international collaborative projects, are promoted.



Kawasaki Green Innovation linked to the Idea of Creating an International Hub of Cutting-Edge Technologies

- In linkage with the idea of creating a world-class hub for competitive technologies and R & D on environmental technologies is further promoted with the Kawasaki Environment Research Institute as the core
 - O Make contribution to the sustainable development of Kawasaki as a low-carbon city, by promoting R & D with the fields for which the advanced environmental technologies have been accumulated
 - O Disseminate A Model of Co-Existence of City and Industry as a package from Kawasaki to contribute to the sustainable development of the Earth as a member of the international society

Research for the methods of environmental technology information, environmental technology evaluation and environmental city planning by the green innovation network (draft)



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