



# Kansai Business Sector's Contribution to Climate Change Mitigation and Adaptation



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# **1.Profile of KANSAI, JAPAN**



Kansai - an environmentally advanced region

#### Experiences



Serious environmental pollution occurred in Kansai (1960s and 1970s) in conjunction with economic growth

Residents, local governments, private companies and research institutes have worked hard to improve the enviornment.

#### Today

- Measurement technology for accurate monitoring air and water contamination
- Advanced technology for reducing greenhouse-gas emissions
- Water purification technology for wastewater recycling
- Systems for appropriate disposal and effective use of municipal garbage
- Administrative know-how for utilizing the above technologies to allow the next generation to live safe, secure, healthy, and culturally rich lives etc.





### **UNEP IETC**



### United Nations Environment Programme International Environmental Technology Centre

Established in Osaka, Japan in 1992.

A branch of the United Nations Environment Programme (UNEP) / Division of Technology, Industry and Economics (DTIE)

Promotes the use of environmentally sound technologies, particularly in developing countries and countries with economies in transition.

Kansai business sector will promote the measures to cope with global warming in cooperation with the Global Environment Centre Foundation (GEC) launched as a UNEP-IETC support entity.





#### Experiences

Flood in 1997 at Neyagawa Osaka





The Great Hanshin Earthquake in 1995 7

Residents, local governments, private companies and research institutes have worked hard to reduce damages of disasters.

#### Today

- Technology and Know-how have accumulated in the fields of prediction, simulation, and prevention of disasters in order to reduce damage.
- Administrative operations have been developed.
- Efforts to improve awareness of inhabitants towards disaster prevention have been maintained through public – private cooperation.

### Technologies and Products in the Environmental and Energy Sector

Aiming at widely publicizing superb environmental and energy-related technologies in the Kansai region, we prepare the leaflets and website forms introducing more than 150 cases.

### visit our website at: http://www.kankeiren.or.jp/en



Enclose Environment By Advanced Region	nmental and Energy Sec
Brury Guild o Brury (Court) Energy storage + Energy	creation New energy
Title	Corporate Name
Membrane Dehydration System	Hitachi Zosen Corporation
New Energy-saving and Eco-friendly Colorant	Matsui Shikiso Chemical Co., Ltd.
TIWS - Ion Water Cleaning System	Takahashi Metal Industries Co., Ltd
Hollow Fiber Reverse Osmosis Membrane for Seaweater Desalination	Toyobo Co., Ltd.
Advanced Wastewater Treatment by Micro-bubble Aerator	Suzuki Sangyo Co., Ltd.
Organic Excess Sludge Reduction System	Kuraray Aqua Co., Ltd.
MSABP <sup>IN</sup> Multi-Stage Activated Biological Process	Teljin Limited
High-Intensity, High-efficient Sunshine LED	IDEC
OLED Lighting	Konica Minolta, Inc.
SUND Series Environment-friendly Next Generation LED Lighting Equipment	Sun Electronics Industry Ltd.
Water Culture Plant with LED	Synergy-Tech Co., Ltd.
UV-LED NS375L-ERLM	NITRIDE SEMICONDUCTORS Co., LI
Special LED Lighting System for Refrigerator Freezers	Minodenshi
Evaluation and measurement system for nitride semiconductors such as LEDs	YSystems Ltd.
Saving Energy in Sintering Process	Nippon Steel & Sumitomo Metal Corporation
Energy-saving pig iron plant	Kobe Steel, Ltd.
Memory LCD	Sharp Corporation
Stainless Steel Tubes for USC Boilers	Nippon Steel & Sumitomo Metal Corporation
Pipe Drag-reducing Additive ECOMISEL	Osaka Gas Co., Ltd.
Energy-saving Conduction Belt (Energy-saving Red)	Bando Chemical Industries, Ltd.
Eneroy-saving Conveyor Balt (ECO Carry)	Bando Chemical Industries, 11d



### **Industrial Tours**

Kankeiren is proposing "Industrial Tours", which highlight various countermeasures taken against disasters. Seeing is Believing!

We heartily welcome your visit in the near future!











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### **Joint crediting Mechanism**

The Joint Crediting Mechanism (JCM) aims at facilitating diffusion of leading low carbon technologies, products, systems, services, and infrastructure as well as implementation of mitigation actions, and contributing to sustainable development of developing countries.

Japan has established the JCM with sixteen countries. (※)

Mongolia, Bangladesh, Ethiopia, Kenya, the Maldives, Vietnam, Laos, Indonesia, Costa Rica, Palau, Cambodia, Mexico, Saudi Arabia, Chile, Myanmar, Thailand





# **3.Examples of Studies and Demonstrations Under the JCM Support Programme**



## **3.Examples of Studies and Demonstrations Under the JCM Support Programme**



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