

Global Expansion of Decarbonization by Kitakyushu City through Intercity Collaboration



Pop: 939,961 (March 2021)
Area: 491.95 km²



November 2, 2021
City of Kitakyushu, Japan

Experience in Overcoming Pollution & Environmental Policies

1901



Start of operations at Yawata Steel Works
Development as an iron-producing city

1950

Anti-pollution movement by women's groups



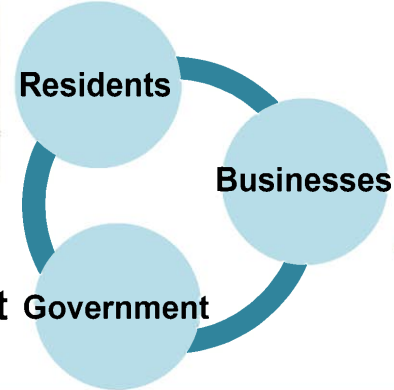
Intense pollution problems

1960~

Pollution control policies



Government initiatives



Company initiatives

1990~

Policies for establishing recycling-based society

1998~ **Kitakyushu Eco-Town**
 Balancing environmental protection and industrial development

2000 **Household waste reduction measures**
 First designated city to introduce charge system

2004 **World Capital of Sustainable Development** Grand Design

Policies for establishing sustainable society

Implementation and evaluation of practical actions

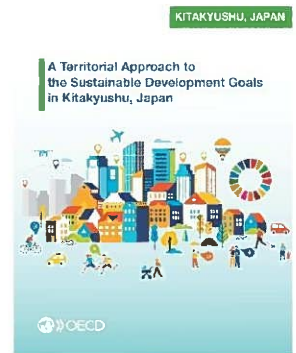


Overcame pollution

Declaration as a “Zero Carbon City” After Selection as Model City in Different Programs

2009 Certified as **Eco-Model City**

2011 Selected as **FutureCity**
Selected as Model City in OECD Green City Programme
International Strategic Comprehensive Special Zone



2018 Selected as **SDGs FutureCity**
Selected by OECD as SDGs Global Model City

2020 **Zero Carbon City Declaration**

Building a model for decarbonization for industrial cities



2021 **Climate Emergency Declaration**

Expand throughout Japan and overseas

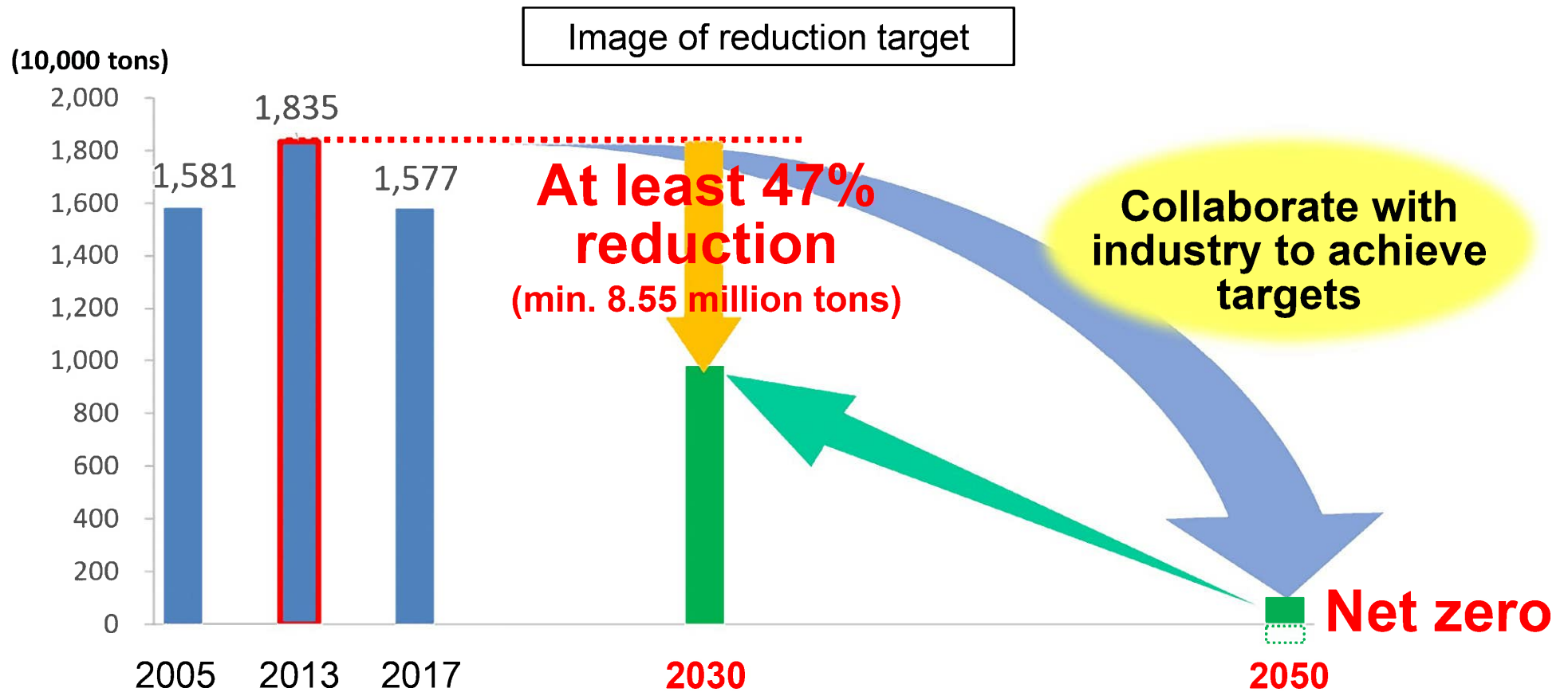
Kitakyushu's Ambitions as a Zero Carbon City

2050 (Goal)

FY 2030 (Target)

Aim for net zero greenhouse gas emissions in city

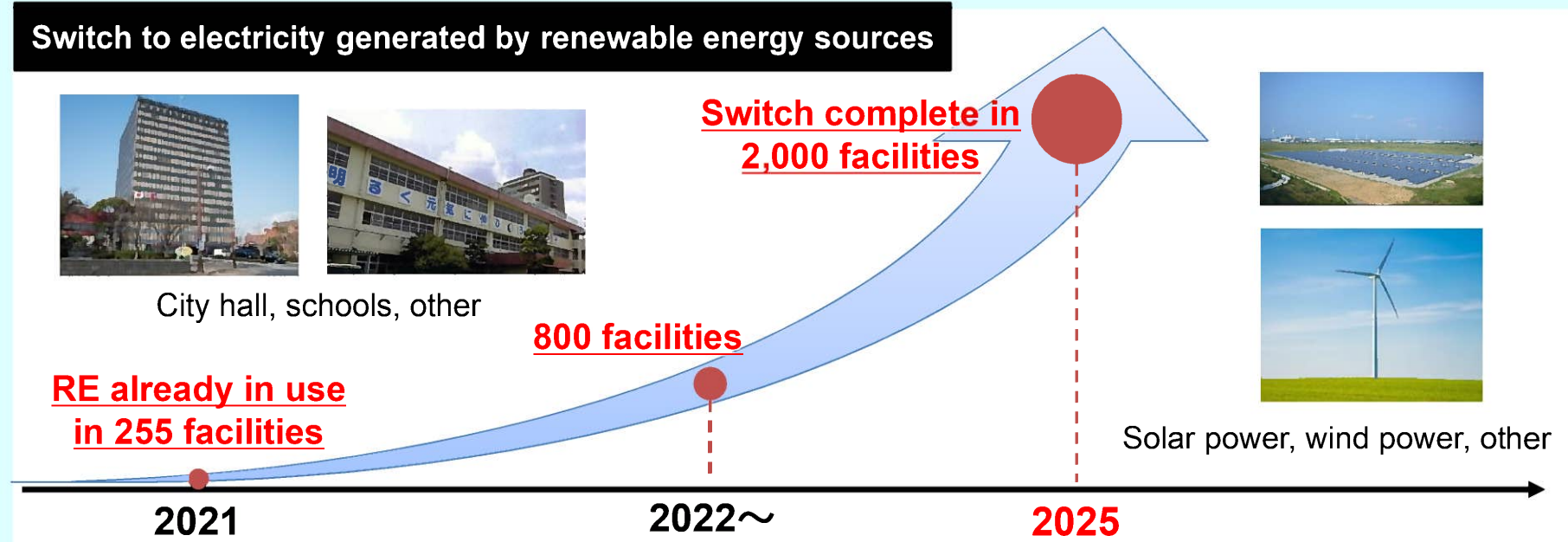
At least 47% reduction from FY 2013 levels



Establishment of “Kitakyushu Model for 100% Renewable Energy” & Expansion Locally and Beyond

Kitakyushu Model for 100% Renewable Energy

- 1 Fastest* conversion of public facilities to 100% renewable energy in Japan
(*Prefectures and designated cities)



- 2 Installation of solar + energy storage facilities and procurement on-site through third-party Power Purchase Agreements (PPA)

Contribute to decarbonization around the world, especially in the Asian region 5

Extensive international cooperation in terms of environmental conservation

Partnerships with Asian countries for mutual prosperity

Status of projects for low-carbon development in Asia

16 countries and regions, 84 cities

238 projects

Over JPY 25 billion

Trainees accepted:

9,956 people from 166 countries

Experts dispatched :

215 people to 25 countries

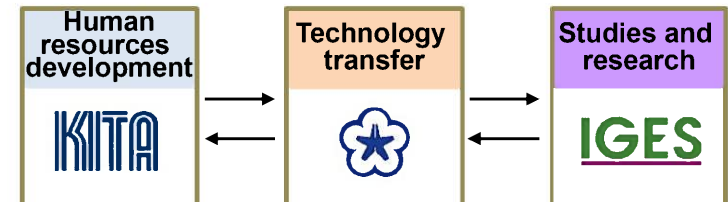


Air pollution survey in Mongolia



Promoting the project of composting kitchen scraps in Surabaya, Indonesia

Asian Center for Low Carbon Society



Mutual collaboration

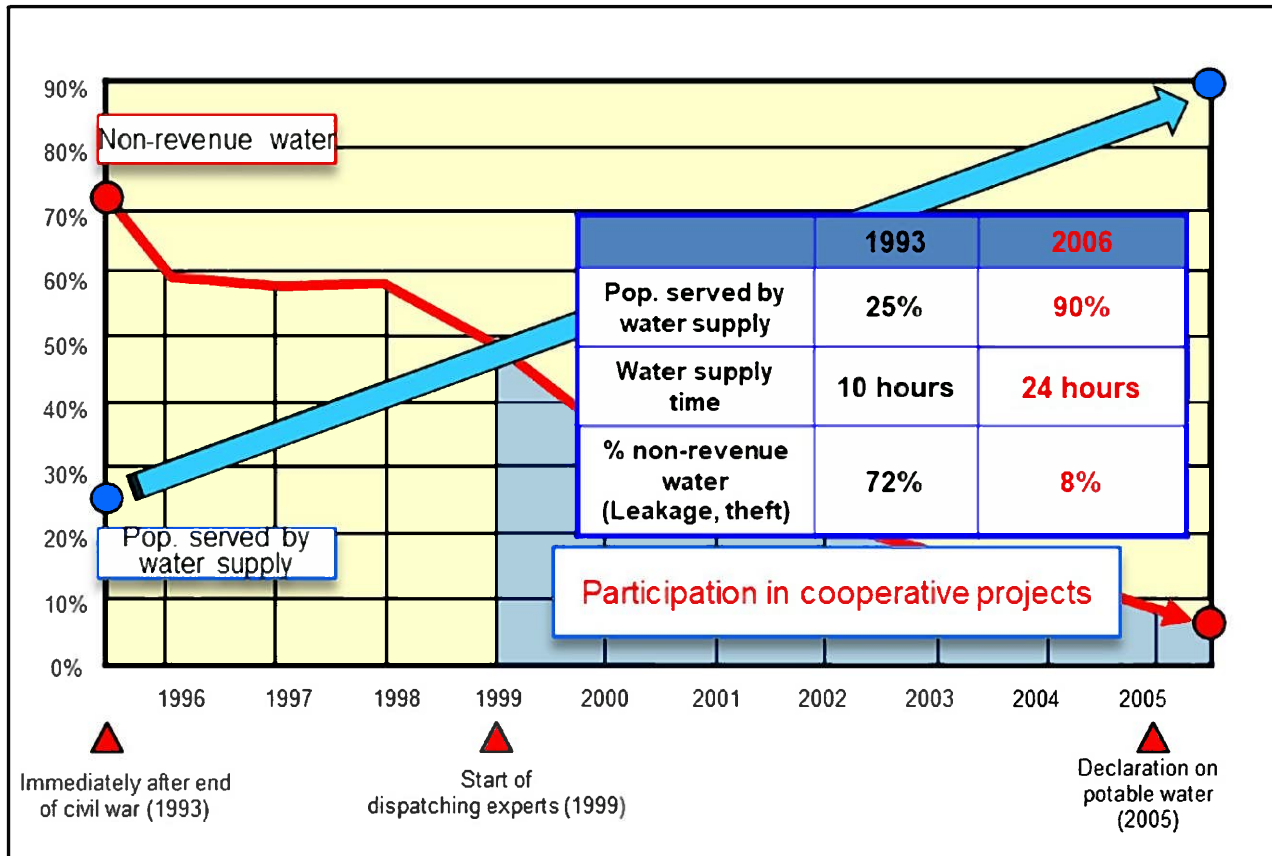
Kitakyushu's know-how



Promoting low-carbon development in Asia through eco-business

The “Phnom Penh Miracle”: A leading example of an international cooperative project with Kitakyushu

“Phnom Penh Miracle” gained worldwide acclaim



Technical guidance provided on-site by staff from Kitakyushu

Phnom Penh has become one of a few cities in Asia where tap water is drinkable!

Cooperation with Haiphong City, Vietnam



2014

Sister City Agreement signed

between the cities of Haiphong and Kitakyushu



2015

Completion of Haiphong City's

Green Growth Promotion Plan

Joint implementation of 15 pilot projects since 2015 based on the promotion plan



2019

Eco-Industrial Park Plan

MOU signed by 3 stakeholders

Vietnam Ministry of Planning & Investment, Haiphong City, Kitakyushu City

Key policies



Formation of a powerful partnership!!

Kitakyushu



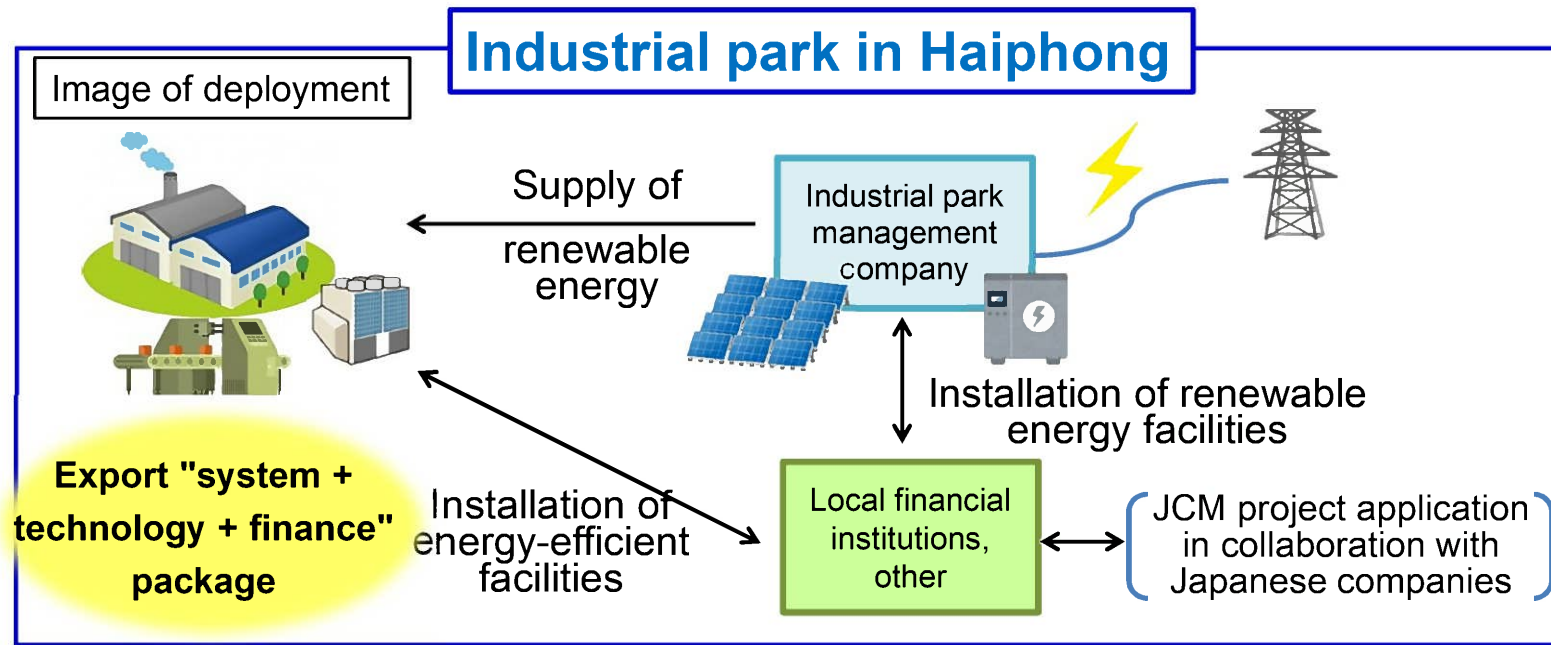
Haiphong

Ambition to Contribute to Global Decarbonization

Project on the formation of an eco-industrial park to promote decarbonization in Haiphong City, Vietnam (Supported by the Ministry of the Environment, Japan)

Kitakyushu Model for 100% Renewable Energy

Customized and deployed



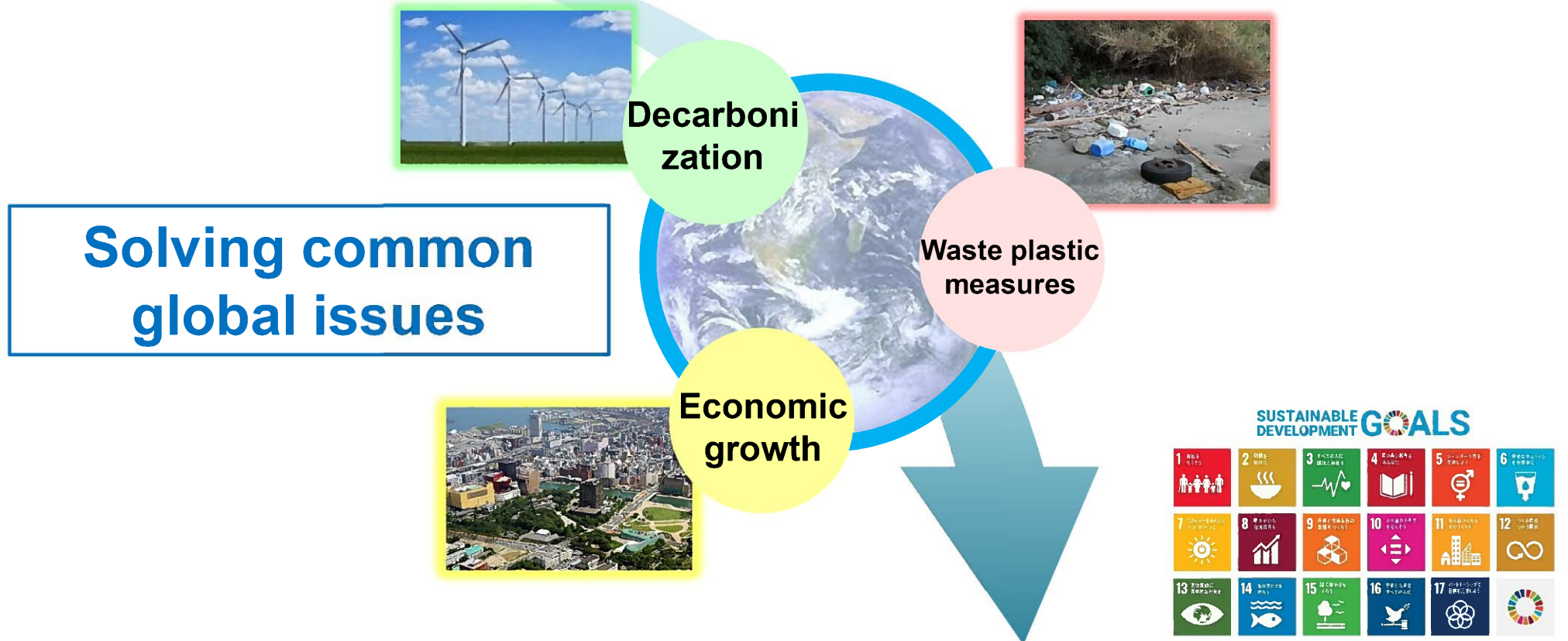
Customized and deployed

To other regions

To other regions

Decarbonization domino effect!

Kitakyushu's environmental technologies



and helping the world achieve the SDGs!!