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- Total Area: 1.561 km2 (3rd largest city)
- Population: About 2 million
- A urban center of national level.
- The Pole of the Dynamic Economic Triangle in Northern Vietnam
- A seaport city in the sea route from east to west and from north to south



Policy guidelines

- *Central government:
- National Action Plan to implement Paris Agreement
- National Action Plan to 2030 for sustainable Development
 - National Green Growth Strategy
 - Green Growth Action Plan
- *Haiphong local government:
 - Green Growth Action Plan
 - Action Plan to Implement Paris Agreement

Implementation

- -Dissemination, awareness raising
- Identify green growth criteria, indicators & integrate in the city's socio-economic development plans
- Study "green" models: green port, green town, green industry...
- Develop policy/ mechanism to implement sub-project of the Action Plan
- Renovate technology;
 encourage application of hightech, green technology in production



Implementation

Promote using economically energy and resources

Apply new technology in production to reduce greenhouse gas emission

Promote friendly environmental projects

Review and adjust production plans to reduce and limit high emission production

Rehabilitate/ plant coastal mangrove forests.

Enhance international cooperation.



Haiphong - Kitakyushu Relationship

Friendship and cooperation agreement (signed May 2009)

1. Increase potential for participation in infrastructure business

- ✓ Technical cooperation in wasted water and sewage services
- ✓ Water quality improvement project by CLAIR and by JICA.

2. Support business activities for local companies

- Training for supporting industries in Haiphong (JICA)
- ✓ Business matching services for small- and mid-sized companies (JETRO)
- 3. Promotion of exchange of delegation and culture
- 4. Training of human resources to act as a bridge between both cities





Sister City Agreement concluded (April 2014)

Green Growth Plan

Time to begin:

05/2015

Purpose:

To create a Green Port City with sustainable development **Main Content:**

15 Pilot Projects of 7 fields

Pilot Projects in "Green Growth Promotion Plan" to Haiphong proposed by Kitakyushu

Waste	①Separation and composting of household waste
	②Waste Heat Recovery Power Generation & Utilization of Industrial Waste
	③Recycling of E-Waste
Energy	①Energy savings and introduction decentralized energy systems in factories & buildings
Transportation	⑤Introduction of low-emission buses
	⑥ Promotion use of public transportation
Cat Ba Island	7 Development of comprehensive resource recycling system
	®Energy saving and introduction of renewable energy &EV buses in Cat Ba Island
Water & Sewage, Rainwater Drainage	9 U-BCF expansion project
	10 Handicraft village wastewater measures
	①Introduction of sewerage registry system
Environmental Protection	12 Restoration of Tay Nam canal
	13 Development of air and noise monitoring systems
Green Production	(1)Installation of high-efficiency furnaces in foundries
	(15) Promotion of green agriculture

Typical projects in Green Growth Promotion Plan

- 1. U-BCF expansion project
- 2. Trang Cat Waste Treatment Complex Project
- 3. Pilot project of EV Bus in Cat Ba island
- 4. "Verification survey with the private sector for disseminating Japanese technologies for the advanced waste water treatment system suited for high BOD"
- 5. Project "Eco-Industrial Park" in Hai Phong

U-BCF expansion project

- Phase 1 (2010-2012): Research on treating organic matter in the country by using UBCF biological treatment technology, improving water quality management capacity
- Phase 2 (2013-2016): Enhance management capacity of water supply systems for Hai Phong Water Supply Company
- Phase 3 (2018-2021): Enhance management capacity of water supply systems for Hai Phong Water Supply Company







Trang Cat Waste Treatment Complex Project

- Collect fresh waste from markets/hotels/restaurants to make compost upon Takakura technical.
- Volume organic waste collected: 100tons/day
- Compost fertilizer produced: meet requirements by MARD; tested/applied
- Benefit:
 - + Reduce filled land
 - +Reduce environmental pollution
 - + Get extra fund from selling compost product.





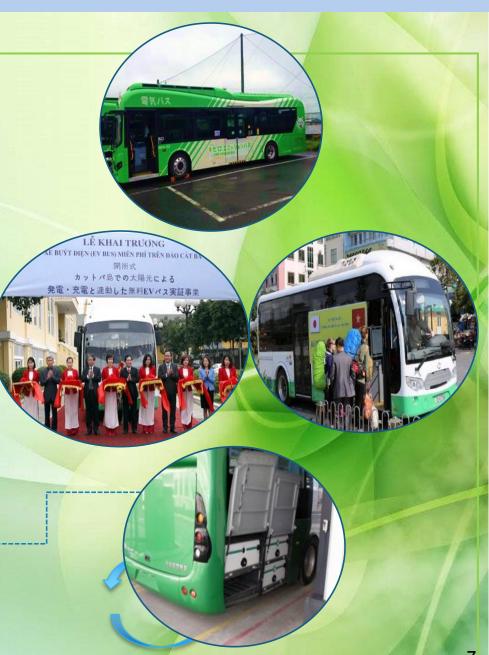
Adding fresh waste into seed compost



Mixing procedure

EV bus in Cat Ba Island

- Implementation period: Feb.2017 to Feb 2020
- Demonstration run of EV bus in conjunction with solar power
- Energy savings and introduction of renewable energy and EV buses in Cat Ba island.
- -Evidence of contribution:
- Power generation during testing period: 373.6kwh
- Reduction in annual fuel consumption: 22,471/100km
- Cumulative reduction of CO2: 38,65kg/km



"Verification Survey with the Private Sector for Disseminating Japanese Technologies for the Advanced Waste Water Treatment System Suited for High BOD"

- Successfully piloting the treatment of organic wastewater at Nam Hai seafood wholesale.
- Mar 2019: MOU between HPPC, JICA and J-Fils Co.,Ltd.
- Dec 2019: Project for Advanced Waste Water Treatment System Suited for High BOD in Ngoc Hai Fish market.
- Project in progress due to Covid-19











Project "Eco-Industrial Park" in Hai Phong

- Nov. 2018: Workshop on Eco-Industrial Park
- April 2019: MOU between MPI, Kitakyushu City and Haiphong Heza
- Oct 2019: MOEJ has approved a project eco-industrial park in Nam Cau Kien Industrial Park (NCK) according to JCM
- Dec. 2019: Workshop on strengthening GGPP and Promotion Eco Industrial Park.

MOU between NCK, Kitakyushu and Eco-town network.

- Activities for NCK being eco-industrial park: connecting Kitakyushu team, bussineses.







