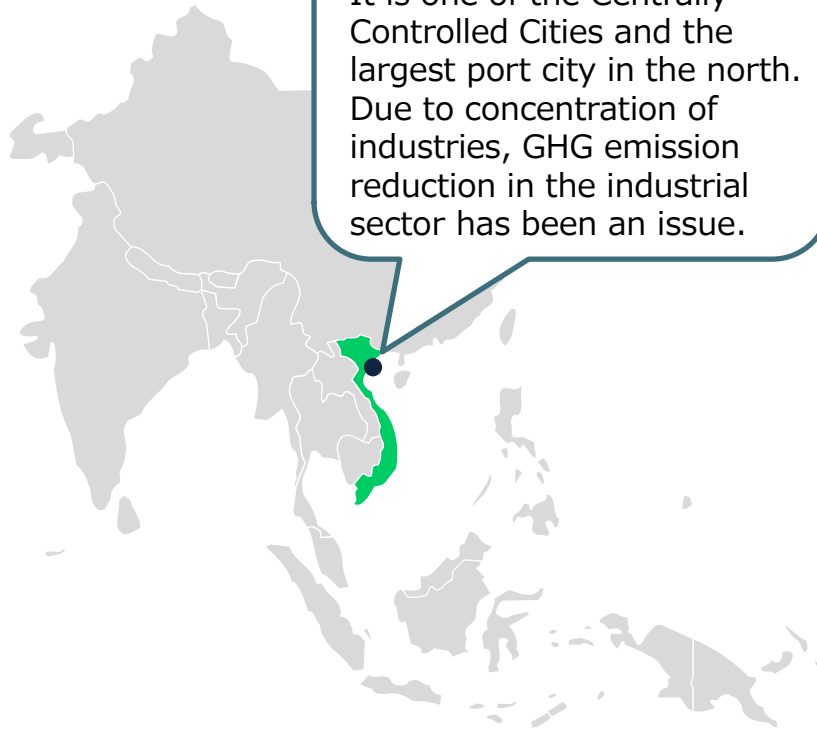


City-to-city collaboration between Hai Phong City and Kitakyushu City

Hai Phong City and Kitakyushu City have signed the Friendship, Cooperation Agreement in 2009, and since then, two cities have engaged in technological exchange mainly in the field of water supply and sewerage as well as cultural and economic exchanges. Furthermore, in 2014, the two cities concluded an agreement regarding Sister-Cities Friendship and Cooperation Relations, which has developed into a comprehensive collaboration that includes the fields of waste management and low-carbon technology. In particular, in 2014, the two cities jointly developed the Green Growth Promotion Plan of Hai Phong and have been working on the materialization of the 15 pilot projects identified in the plan.

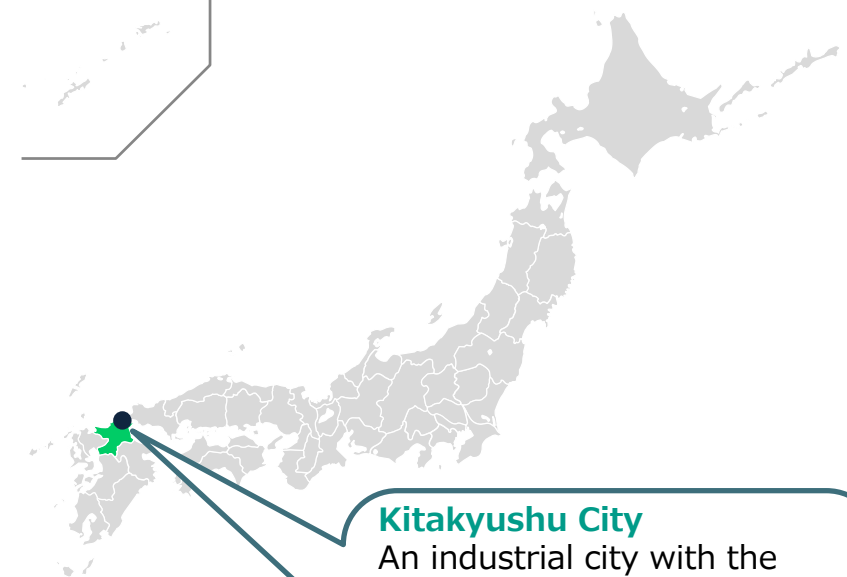
Hai Phong City

It is one of the Centrally-Controlled Cities and the largest port city in the north. Due to concentration of industries, GHG emission reduction in the industrial sector has been an issue.



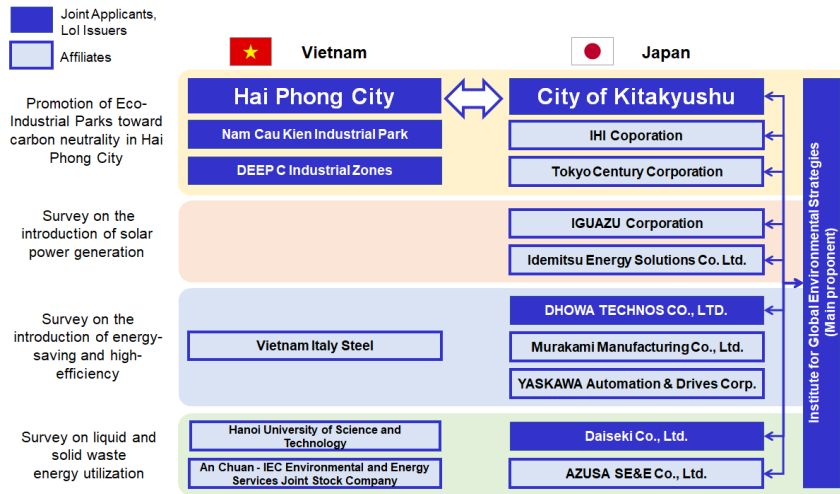
Kitakyushu City

An industrial city with the largest eco-town in Japan, it has been designated as an SDGs Future City. In 2020, it has announced its intention to become a zero-carbon city by 2050.



City-to-city collaboration between Hai Phong City and Kitakyushu City

Structure



Activities and Tentative Results

Activities

- Field survey
 - Solar power system survey (October)
 - Liquid & solid waste energy recovery survey (August & November)
 - Energy saving & high-efficiency equipment survey (November)
- Reporting workshop (December)

Tentative results and next steps

- The survey enabled to understand the current situation and needs of floating villagers around Cat Ba Island. Next fiscal year, a small-scale power generation units combining reuse solar modules and regenerative batteries will be installed and tested on a trial basis in one of the floating villagers in Lan Ha Bay.
- Both waste solid fuel and liquid fuel were found to be in high demand as coal substitutes in cement plants.
- The requirements for applying for the JCM Model Project have been identified for the large industrial blower + inverter. Necessary preparations for applications to the FY2023 JCM Model Project will be conducted.

Photos



A large industrial blower that is scheduled to be applied for the JCM Model Project and a site survey