

(5) Establishment of the global strategic center for water business

In April, 2012, Kitakyushu City was certified by the Ministry of Land, Infrastructure, Transport and Tourism as the municipality which conducts international projects in an advanced manner, and was registered as a member of the Water and Environment Solution Hub (WES Hub).

After the registration, we prepared "an international strategic base of water business" and plan to utilize it in order to secure the competitive advantage and excellence overseas, and to reinforce the foundation of the international business.



[Topics] Youth Training for Water and Sewer Technology in FY2019

Aiming at "Development of human resource to play a key role in infrastructure improvement" in the water and sewer field and "Transmission of information such as international technical cooperation", Kitakyushu City Water and Sewer Bureau held "Youth Training for Water and Sewer Technology" jointly with JICA Kyushu.

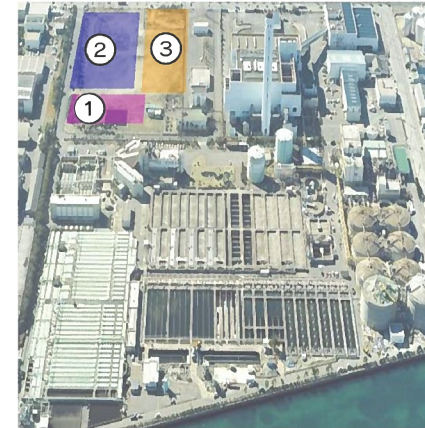
From among 34 applicants, 6 high-school students in the city were selected and, after having a domestic training at the end of July, participated in an overseas training in Hai Phong City, Vietnam between August 5 and 10.

In November, at "Eco Life Stage", the participant high-school students made a presentation of the result of training.

Reporting of the results to the Mayor

Study on water environment at the world heritage, Halong Bay

International strategy hub for water business
~ Showcase of cutting-edge technologies ~



① Visitor Center
(former Higashi Sewage Treatment Center's Administration Building)

(Structure and floors) 3-floor reinforced concrete structure
(Total floor space) About 2,900 m²



3rd floor
Technology & product display



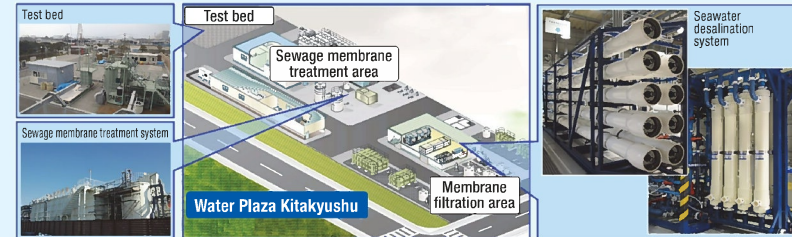
2nd floor
For learning sewage system

1st floor
Water quality test room

2nd floor
Presentation room

② Water plaza

- Advanced water production system combining seawater desalination and sewage membrane-treatment
- Implementation of experimental studies for promoting international commercialization with the government and the private sector in cooperation



③ Conversion of sewage sludge to fuel

(service started in Oct. 2015)

Utilized as a fuel alternative to coal

- Capacity: Generating about 20t fuel from 70t sewage sludge per day
- Usage: Thermal power generation and heat source for cement plants
- * A process from fuel generation to fuel consumption is completed in the city.



Sewage Sludge Fuel Center



CO₂ reduction by the entire project: 11,300 tons