

Kitakyushu City

World-leading energy policy



Situation

- In response to electricity shortages, soaring power bills and other problems following the Great East Japan Earthquake, the city decided to take on some responsibility for ensuring the stable supply of low-priced energy.
- Furthermore, the city hopes to contribute to efforts to promote a shift to a low-carbon society by working to create a community whose main energy source is hydrogen.



Intervention

Kitakyushu City Regional Energy Base Establishment Promotion Project

- Invites companies engaging in power generation using renewable and new energy.
- Concentrates primary energy storage.
- Develops highly efficient power generation technologies for coal.
- Utilises energy in linkups with industry.

Kitakyushu Hydrogen Town

- Supplies hydrogen to fuel cells installed at collective housing, a museum, etc., using a pipeline crossing the town, in order to generate power.
- Supplies electricity from fuel cell vehicles (FCV) to homes.
- Utilises effectively hydrogen generated as a by-product in the steelmaking process, by supplying it to fuel cell vehicles.

Kitakyushu Smart Community Project

- Realizes a citizen-involving energy management system that has at its core the *Setsudensho* Smart Community Centre, which manages the electricity supply-demand balance in the community, to adjust energy consumption from the user side.

Impact

- A CO2 emissions cut of more than 50% has been achieved.
- The city has been chosen as the venue of the Group of Seven energy ministers' meeting May 1-2, 2016, in recognition of its advanced energy projects.