



Kobe City is the center of a wide-area network, where sea, air and land transportation means are concentrated, such as the Kobe Port, an international trade port, in the coast area, Kobe Airport, an accessible airport close to the urban area, and also bullet trains, JR lines and private railroads. Kobe City is also known as one of the biggest tourist spots and it attracts many domestic and international tourists with its exotic streetscape, Arima Onsen (famous hot spring), sake breweries in Nadagogo and food such as Kobe beef and confections. The city has a wide range of attractions ranging from the busy urban areas and bay areas that embrace logistics and advanced technologies to the residential areas in hilly areas and rural areas rich with abundant nature.

The city is also active in promoting various projects to enhance the city's attractions and vitality in order to become a city chosen by people, such as the Kobe Medical Care Industrial City Project, redevelopment of Sannomiya, which is the center of the city, Design City Kobe Project and a project to develop technologies for hydrogen energy utilization.

## Promotion of a Project on the Development of Advanced Technologies for Hydrogen Energy Utilization

The city cooperates with local companies in actively promoting forward-looking initiatives to lead the new age, such as the establishment of a hydrogen supply chain and development of hydrogen energy systems.

The city is now developing facilities in the Kobe Port for the introduction of a hydrogen supply system under which hydrogen is liquefied and stored using unused energy overseas and transported by sea to be unloaded and supplied in Japan.

In addition, the city is also working on the installation of power/heat supply systems in public facilities under cooperation with academia as a part of the development of an energy utilization system with fewer environmental burdens (cogeneration systems that use natural gas and hydrogen as fuel).



Photo: HySTRA

The world's first liquefied hydrogen carrying vessel

## Development of Hydrogen Stations

In order to promote the development of hydrogen stations, the city provides subsidies to private companies that develop hydrogen stations in Kobe City.

In order to promote the diffusion and understanding of hydrogen energy, the city established the Kobe Renewable Energy Hydrogen Station, a facility with prominent environmental capacity that achieves a CO<sub>2</sub> free energy cycle by electrolyzing water with power generated from renewable energy (solar and wind power) and thereby producing hydrogen, in July 2016 in the Kobe Kankyo Miraikan, a facility for environmental education in Kobe City.

In addition, the city promotes the introduction of FCV by providing subsidies to companies in the city to cover a part of the expenses for the purchase of next-generation cars including FCV.



Kobe Renewable Energy Hydrogen Station

## Promotion of the Use of Woody Biomass

In order to maintain the global warming prevention function of the forest resources including those of the Rokko Mountains and Tanjo Mountains as absorbers of greenhouse gasses for the future, it is necessary to conduct proper maintenance including thinning and trimming of forests in harvesting periods.

To this end, the city will cooperate with companies in educational activities on forest conservation in mountainous and forested areas. The city is also working on the establishment of sustainable regional economic and energy cycles to utilize unused materials produced in the course of forest maintenance as regional energy sources.



Forest of Mount Rokko