Supplying Hydrogen in the Olympic and Paralympic Village District

A hydrogen station, hydrogen pipelines, and pure hydrogen fuel cells will be installed to supply hydrogen to fuel cell buses and other vehicles, and to blocks through pipelines. In February 2018, a basic agreement was concluded with six companies led by Tokyo Gas Co., Ltd. (Tokyo Gas Co., Ltd., Harumi Eco Energy Co., Ltd., ENEOS Corporation, Toshiba Corporation, Toshiba Energy Systems & Solutions Corporation, and Panasonic Corporation), commencing the project.

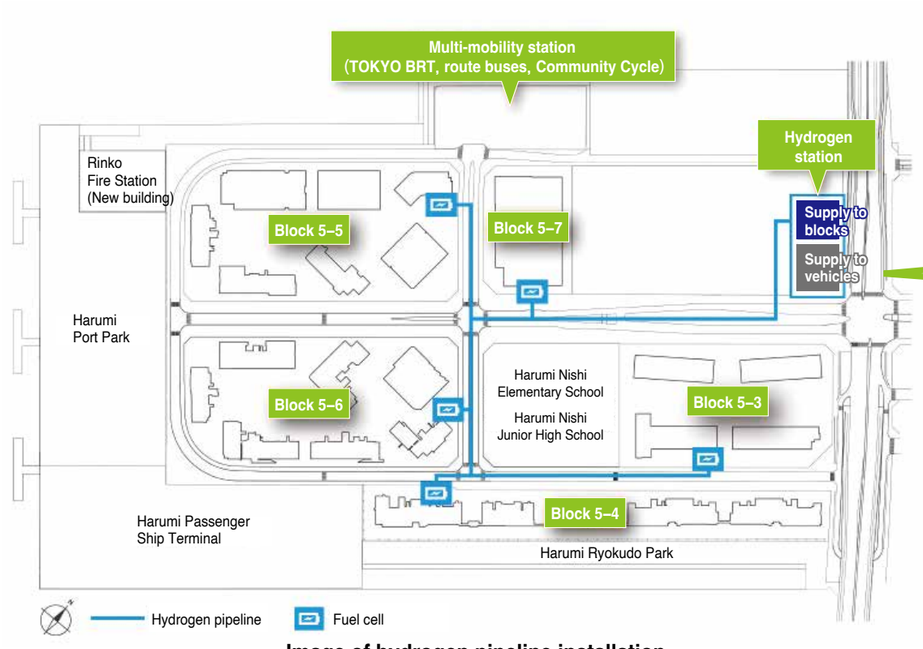


Image of hydrogen pipeline installation

Refueling vehicles

The hydrogen station is spaciously designed to allow articulated buses, such as the BRT, to make turns within the premises, making it possible to supply hydrogen not only to FC buses and FCVs, but to any type of fuel cell vehicle.

[FC bus]

＊Image

[FCV]

＊Image

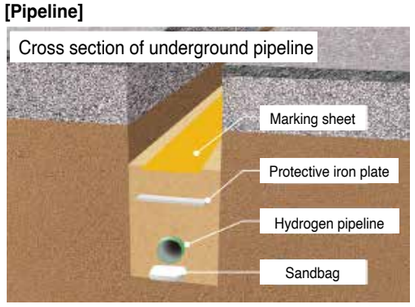
＊FC buses and FCVs fall under the category of Zero Emission Vehicles (ZEV), which do not produce emissions such as CO2 when running.

Supplying residential blocks

● Hydrogen pipeline

The pipeline, which will realize Japan's first practical implementation of supplying hydrogen to residential blocks, is supporting urban development that aims to create a model for a hydrogen-based society.

[Pipeline]



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● Pure hydrogen fuel cells

Pure hydrogen fuel cells installed in the common use areas of residential buildings and commercial facilities will generate electricity using the hydrogen supplied by the pipeline.

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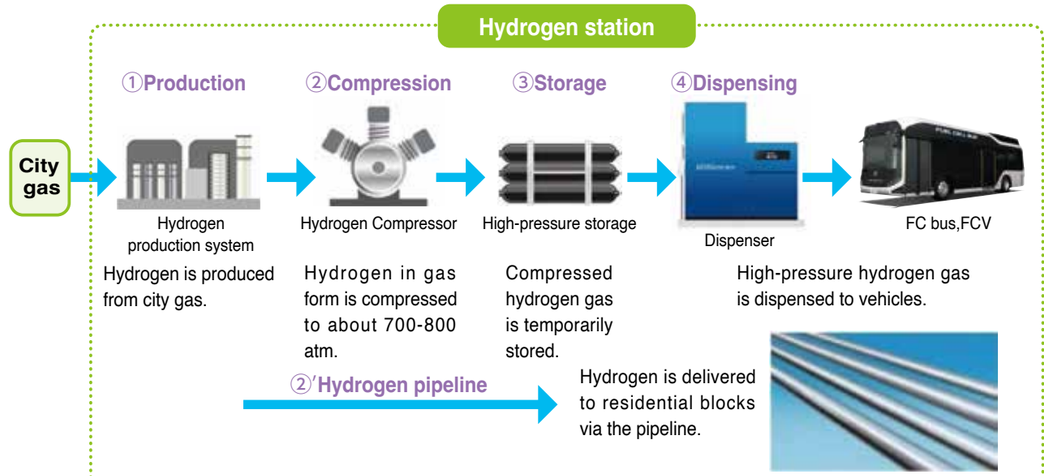
Hydrogen station

Types of hydrogen stations

Hydrogen stations are categorized into the following three types according to method of supplying hydrogen. The on-site type has been adopted in the Olympic and Paralympic Village district.

On-site type　Adopted in the Olympic and Paralympic Village district

This type of station produces hydrogen from city gas or LP gas, compresses, stores, and dispenses it on site.



Off-Site type

Hydrogen produced at another location is transported to the hydrogen station. This is then compressed, stored, and dispensed.

Hydrogen Trailer

Mobile type

A vehicle equipped with hydrogen fueling equipment is dispatched to a designated location to dispense hydrogen.

Mobile hydrogen station (image)

Features of the hydrogen station in the Olympic and Paralympic Village district

● Hydrogen production and supplying

In addition to refueling vehicles (FC buses and FCVs,), hydrogen will be supplied to common-use areas in residential blocks.

● Car sharing service parking lot

In addition to EVs,FCVs will be made available for use here through a car sharing service. By providing people in the area who do not own a car with the opportunity to use FCVs, we will promote the use of hydrogen energy.

● Energy education facility

An energy education facility will be set up on the second floor of the multi-function facility. This will allow anyone to easily access information on energy.

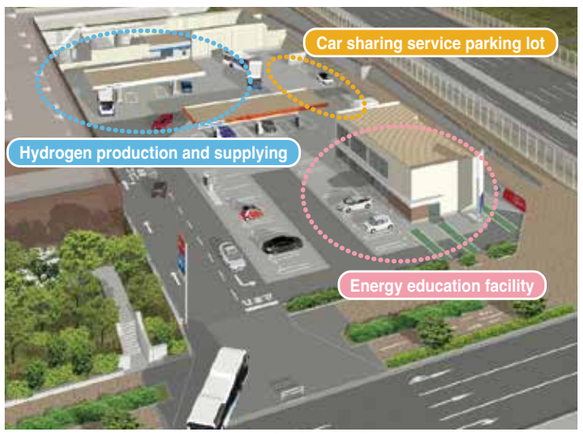


Image of hydrogen station from auxiliary route 314