Artist's rendition of the completed Urban Redevelopment Project

* The Harumi Passenger Ship Terminal is an image of the current plan and is subject to change.

©Consortium for the Type 1 Urban Redevelopment Project in the West Harumi 5-Chome District

Urban Development as a Legacy of the Tokyo 2020 Games

(The West Harumi 5-Chome District)



Future image of the West Harumi 5-Chome District

*Following termination of the acceptance of ships at the Harumi Passenger Ship Terminal (timing to be determined), plans call for the site to be converted into a green space.

©Consortium for the Type 1 Urban Redevelopment Project in the West Harumi 5-Chome District



BUREAU OF URBAN DEVELOPMENT TOKYO METROPOLITAN GOVERNMENT

Urban Development as a Legacy of the Tokyo 2020 Games

The Tokyo Metropolitan Government (TMG) started work on the Type 1 Urban Redevelopment Project in the West Harumi 5-Chome District in April 2016 to proceed with development of the Olympic and Paralympic Village for the Tokyo 2020 Games and Post-Games area development, and has been carrying out the project. This dictrict were used as the Tokyo 2020 Games Olympic and Paralympic Village in 2021.

The TMG will now leverage the area's seaside location and proximity to the city center to develop the district as a legacy of the Games, creating a community where various residents, including families with children, senior citizens, and foreign nationals, can interact and lead fulfilling lives.

The TMG will also promote measures to make the area a model for realization of an environmentally-advanced city, such as pioneering the introduction of hydrogen as the energy of the community.





Before project launch(Photo taken in December 2014)

During the Games(Photo taken in August 2021)

Make the Olympic and Paralympic Village a desirable place where everyone wants to live

Transforming the Olympic and Paralympic Village constructed for the Tokvo 2020 Games into a town that embraces people from diverse backgrounds

• Buildings used to house athletes during the Games



• Complex which housed a polyclinic, fitness center, and other facilities



To be converted into private residential complexes consisting of a total of 5.632 housing units

Residential buildings (medium-rise) used as temporary housing for the athletes will be renovated. and new residential buildings (high-rise) will be constructed.



To be converted into a commercial complex that supports people's day-to-day lives

The commercial building used as a complex will be renovated into a supermarket, living convenience facility (planned), etc.



Artist's rendition of the completed commercial complex

Construction of a multi-mobility station and pier

Transportation demand in the Harumi district is expected to grow due to factors such as post-Games area development. In view of this situation, resident mobility will be supported by building a multi-mobility station for introduction of TOKYO BRT. route buses, a bicycle-sharing system, and other transportation systems and a landing dock.



Turning the eco-friendly, sustainable initiatives of the Games into their legacy

During the Tokyo 2020 Games, various eco-friendly initiatives were taken, including use of hydrogen energy.Initiatives such as these will be utilized in the development of the area as a legacy of the Games.

• Eco-friendly initiatives taken during the Tokyo 2020 Games

• Through the establishment of a temporary hydrogen station, hydrogen fuel was supplied 24 hours a day to vehicles used during the Games



• Use of electricity generated from Hydrogen in the Relaxation House (a rest facility for athletes) of the Olympic and Paralympic Village



Passing on the memory of the Tokyo 2020 Games to future generations as a legacy of the heart

Facilities established for the Games will be preserved in the area to commemorate the Games, passing the memory on to future generations as a legacy. Signages for Direction

Tokyo 2020 Olympic

and Paralympic

Village Map



• details, • P13-14.

*The Harumi Passenger Ship Terminal is an image of the current plan and is subject to change. At the time of completion(Artist's rendition at the end of fiscal 2025

Realization of a city to serve as a model for advanced environmental policies to achieve a carbon-neutral society

- Construction of a hydrogen station • Supply hydrogen fuel to fuel cell buses
- and other vehicles • Supply hydrogen to residential blocks
- through pipelines



Exterior image of a hydrogen station

(02)

Area Development Concepts

Diverse interaction within a community that is comfortable to live in

Leveraging the features of its location near the city center, an urban space with abundant "housing," "entertainment," "business," "learning," "childcare," and "health" services will be created by promoting interaction among diverse generations, communities, and cultures, and forging partnerships with the surrounding areas.

Most of the condominium units for sale will be designed for families with children.Rental housing will include not only regular residences, but also a variation ranging from serviced apartments (furnished homes) to SOHO, shared housing, and housing with services for the elderly, to flexibly satisfy various needs.

Family support, community and other such facilities will be built to realize a multigenerational community.



Close to water and greenery, a city where peace and calm can be felt

A mature urban life will be realized, where people can relax and find inner calm in an attractive blend of city and nature, which is open to the sea and surrounded by verdant greenery. Specifically, as open spaces rich in greenery and seaside green spaces, three types of plazas will be developed: a "community plaza," which can be used for various activities and as a place for children to play freely; a "central plaza," which serves as a vibrant space for exchange; and "roadside plazas." which serve as attractive entrances to the blocks.

A sustainable, eco-friendly city realized through the use of new technologies

A self-sufficient, decentralized smart-energy city with enhanced disaster management capabilities will be created by developing infrastructure that enables residents to benefit from advanced hydrogen energy, energy-saving technologies, and the energy management system (EMS) in their daily lives.

Hydrogen will be supplied by pipeline to community blocks. This will be the first practical application of such a mechanism in Japan, making this a model eco-friendly community.



In addition...

Shops and facilities that create vibrancy

Shops and other facilities that create vibrancy and support everyday life will be located on the lower floors of buildings along Harumi Main Street to create areas bustling with residents and visitors.





A community where people can easily move around by eco-friendly means

A community cycle bicycle sharing service, a car sharing service for residents, centralized parking facilities, and electric vehicle charging stations will be available.



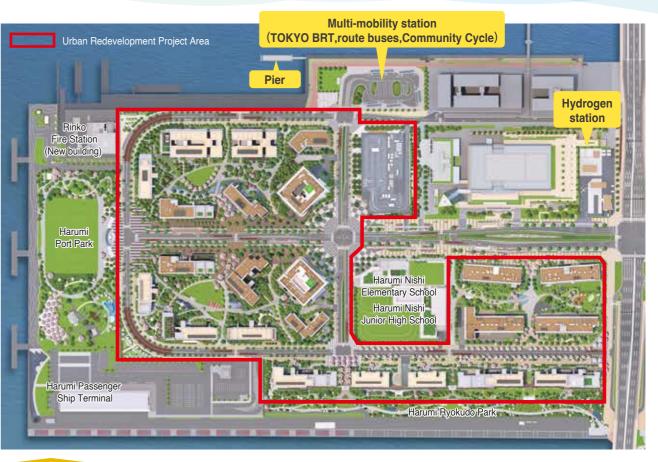
Building design that gives due consideration to landscape creation In addition to reducing the sense of oppression created by the buildings through

articulation of the facade and other techniques, ample space is secured between buildings to create a line of sight to the sea and an open feel.





Creation of a mixed-use community with enhanced disaster response capabilities Spaces for accommodating people stranded when a disaster strikes, as well as emergency supply warehouses, will be secured.

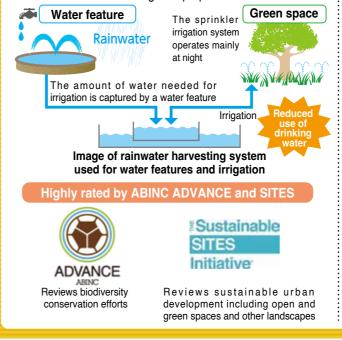


Collumn

Awarded four environmental certifications \sim Examples of highly-evaluated initiatives \sim

Eco-friendly landscaping measures

Various eco-friendly landscaping measures are being implemented including green space plans that take into consideration native flora and change over time, and the adoption of a rainwater harvesting system for use by water features and for irrigation purposes.



High connectivity and a townscape abundant with open spaces

Two through streets are built in each community block to separate buildings, increasing the connectivity of the town.



Highly rated by LEED-ND and CASBEE



Reviews energy efficiency and eco-friendly measures in area development



Comprehensively assesses the quality of buildings including energy efficiency and landscaping considerations

Type 1 Urban Redevelopment Project in the West Harumi 5-Chome District

Project Approach

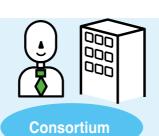
Urban Redevelopment Project

Urban redevelopment projects aim for reasonable, sound and intensive use of land and the renewal of urban functions through integrated development of buildings and public facilities under the Urban Renewal Act.

Those allowed to take on an urban redevelopment project include private entities, urban redevelopment cooperatives, redevelopment companies, local public entities, the Urban Renaissance Agency, and local housing supply corporations.



Develops roads and other urban infrastructure



- The construction of buildings, including accommodations for athletes during the Games.
- Sale and rental of the residential buildings and the commercial building

Designated Builder System

This system allows the designated builder (or consortium of builders) to construct the buildings and market reserve floor space in place of the project operator.

It enables the operator to make active use of the funds and expertise of private sector developers to build more attractive and highly marketable properties and advance the project smoothly.



Buildings to be constructed by the consortium for the urban redevelopment project

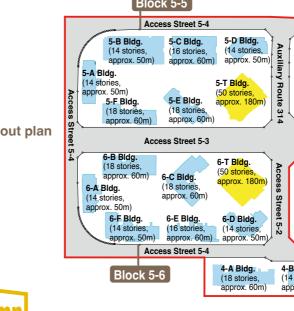
Designated group of builders(one group selected through public tender)

Leader of the group Mitsui Fudosan Residential Co.,Ltd.

Group members

- NTT Urban Development Corporation Nippon Steel Kowa Real Estate Co.,Ltd. Sumitomo Corporation Sumitomo Realty & Development Co.,Ltd. Daiwa House Industry Co., Ltd.
- Tokyu Land Corporation Tokyo Tatemono Co.,Ltd. Nomura Real Estate Development Co.,Ltd. Mitsui Fudosan Co.,Ltd. Mitsubishi Estate Residence Co.,Ltd.

Project	Ove	rview /	Overview of	building plans					
		/		Block 5-3		ck 5-4	Block 5-5		
Name	Type 1	Urban Redevelopment Project in the	Site area	Approx. 26,310m		23,640 m	Approx. 37,450 m		
Name	•••	· ·	Building area	Approx. 7,590 m ²		k. 7,890 m	Approx. 12,980 m		
Indortokon hv		arumi 5-Chome District	Floor area Floor area for	Approx. 112,870m	Approx. 104,490m	Approx. 223,630 m			
Undertaken by Location		/letropolitan Government Harumi 5-Chome, Chuo-ku, Tokyo		Approx. 78,180 m	Approx.	70,780 ㎡	Approx. 147,450 m ²		
Area Period	Approx. From F	18 ha Y2016 through FY2025	Main uses	Housing(1,487 units), Childcare facilities, Nursing homes		Housing (1,822 units), Shops			
		x. 54 billion yen (excluding the		Block 5-6	Blo	ck 5-7	Total		
	develop	ment costs of the consortium)	Site area	Approx. 35,180 m	Approx.	11,360 m	Approx. 133,940 m		
No. of	21 resid	dential buildings (medium-rise) (approx.	Building area	Approx. 10,970 m	Approx	. 7,010 ㎡	Approx. 46,460 m		
buildings	50-60m	high, 14 to 18-story buildings with a	Floor area	Approx. 209,480 m	Approx.	19,820 m	Approx. 670,320 ന്		
(height and floors)	baseme	ent floor) ential buildings (high-rise) (approx. 180m	Floor area for calculating floor-area ratio	Approx. 138,950 m	Approx.	19,240 ㎡	Approx. 454,630m		
)-story buildings with a basement floor)	Main uses	Housing (1,637 units), Shops	Sh	iops			
	1 commercial building (approx. 25m high, 3-story Overview of infrastructure plans								
	building	with a basement floor)	Туре	Name	Width	Length	Category		
No. of housing	5.632 (4	1,145 condominium units and 1,487 rental	Arterial road	Auxiliary Route 314	25m	210m	Metropolitan road		
units	housing		Access street	Access Street 5-1	23m	380m	Municipal road		
Construction	•	rial road totaling 210meters and access	Access street	Access Street 5-2	25m	100m	Municipal road		
of roads		5	Access street	Access Street 5-3	36m	260m	Municipal road		
	SILEEIS	totaling 1,570meters	Access street	Access Street 5-4	18m	830m	Municipal road		
		Block 5-5 Width figures indicate the entire width. *Figures are all approximate Access Street 5-4 Block 5-7 Legend 5-B Bidg. 5-C Bidg. E Residential bldgs. (medium-rise) (14 stories, (16 stories, (14 stories,							
General layout plan		approx. 50m) approx. 60m) approx. 50m) approx. 50m) approx. 50m) F F Bldg. (3 stories, approx. 25m) Commercial bldgs. (high-rise) 5-A Bldg. 5-F Bldg. (50 stories, approx. 180m) (50 stories, approx. 25m) Project area 6 18 stories, approx. 60m) (18 stories, approx. 60m) (18 stories, approx. 60m) (18 stories, approx. 60m)							
		Access Street 5-3 Block 5-3							
		6-B Bldg. (18 stories, approx. 60m) 6-C Bldg. (14 stories, approx. 60m) 6-C Bldg. (14 stories, approx. 60m) 6-C Bldg. (50 stories, approx. 180m) 6-C Bldg. (50 stories, approx. 180m) (50 stories, approx. 180m) (50 stories, (50 stor		3-A Bidg. (17 stories, approx. 60m)		Bidg. tories, bx. 60m)			
		(14 stories, approx. 50m) (16 stories, approx. 60m) (14 stories, approx. 50m)		3-D Bidg. (15 stories, approx. 60m)	3-C B (15 st appro				
		Access Street 5-4		Access Street 5-1					
		BIOCK 5-6 (18 stories, (14		Bidg.4-D Bidg.tories, (18 stories, approx. 60m)	(18 s	Bidg. tories, ox. 60m)	10 20 50 100m		
Co lu mr			Bloc	k 5-4			1		



Main features of urban infrastructure development, including roads 1)Elevation of the ground

In order to build a safe community resilient to storm surge, the road level is raised about 2.5 meters using soil to a height of A.P.+6.5m.

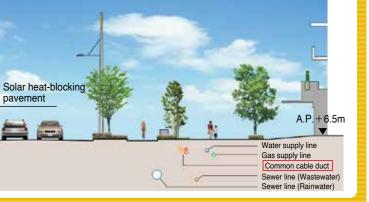
2 Installation of utilities underground

For the purpose of improving disaster management capabilities and in consideration of the streetscape, power and other utility lines are planned to be buried underground.

3Solar heat-blocking pavement

Solar heat-blocking pavement has been used on roads to combat the heat.





Transformation of the West Harumi 5-Chome District

Before the Tokyo 2020 Games



Just after the start of urban infrastructure construction, but prior to the start of construction by the consortium.

Pre-Games construction began at the site in fiscal 2016 and was completed in December 2019.

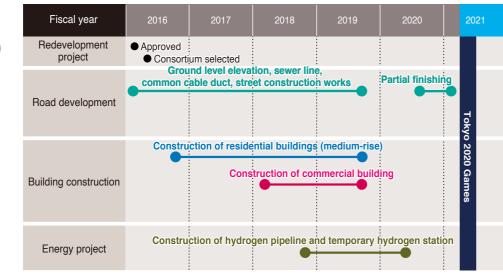


With pre-Games construction safely completed, we were ready to hold the Tokyo 2020 Games.









After the Tokyo 2020 Games

Following the-post Games construction of the residential buildings (high-rise) and finishing work on streets and other open spaces, the project is slated to be completed in fiscal 2025.

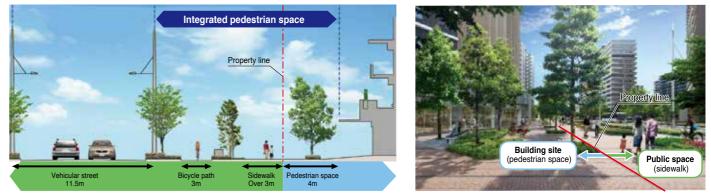
Construction of residential buildings (high-rise)

By placing the 2 residential buildings (high-rise), which will be the town's major features, on the inland side, the entire town will form a gentle silhouette, making the group of buildings appear pleasing to the eye.

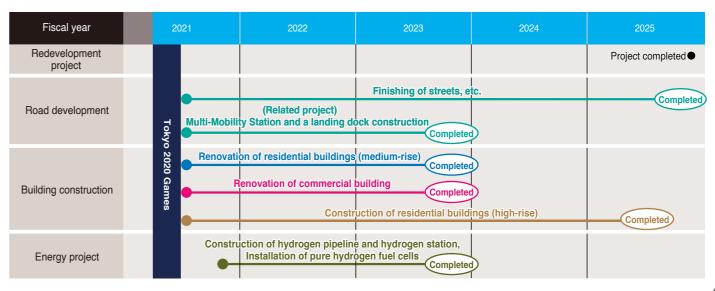


The cluster of buildings viewed from the ocean side (artist's rendition)

After the Games, finishing work will be performed on the streets and other open spaces. The TMG and the consortium will work together to advance urban development that connects public spaces and building sites in a seamless way, with the aim to build an integrated, attractive cityscape and comfortable pedestrian spaces.



Distribution of street space within community blocks (Access Street 5-3)



Construction of roads

Work on the basic infrastructure began, including the elevation of ground, installation of sewer lines and common cable ducts, and construction of roads.

Project launch in fiscal 2016

Construction of buildings Construction of the 21 residential buildings (medium-rise), excluding the 2 high-rise buildings, and the

commercial building started.

Renovation of residential buildings (medium-rise) and commercial building

Renovation of the 21 residential buildings (medium-rise), used as the temporary accommodation facilities in the Olympic and Paralympic Village during the Games, and the commercial building is aimed for completion by fiscal 2023.



The commercial building (artist's rendition)

------ Finishing work on streets and other open spaces

Image of integrated urban development

A city to serve as a model eco-friendly city

Olympic and Paralympic Village District Energy Development Plan

In the Olympic and Paralympic Village district, through the use of new technology, we aim to realize a city that will serve as a model eco-friendly city, including ensuring self-sufficiency in times of disaster and achieving a balance between comfort and an eco-friendly lifestyle.

To achieve this goal, the Olympic and Paralympic Village District Energy Study Panel was established together with outside experts in July 2016. Based on discussions held, the Olympic and Paralympic Village District Energy Development Plan was compiled, setting forth the vision to be pursued, policy direction, and specific development plans.

In addition to use of the electrical grid and city gas, by applying a combination of approaches in the district, including the use of hydrogen and waste heat, we aim to realize a more resilient, low carbon, energy efficient city.



Hydrogen is very reactive.

Reacts with oxygen

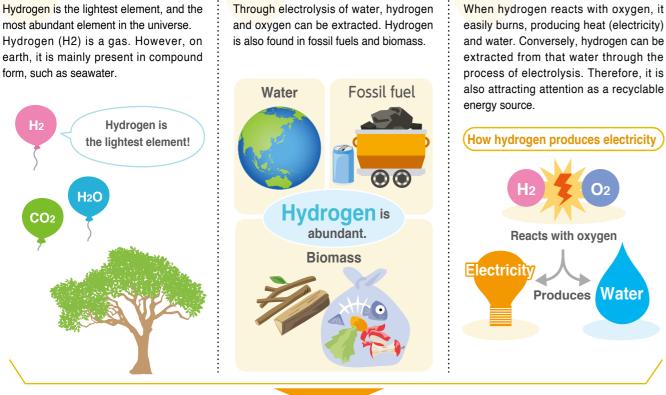
Produces Water

Colluimn

CO

What is hydrogen?

About Hydrogen Hydrogen is the lightest element, and the most abundant element in the universe. Hydrogen (H2) is a gas. However, on

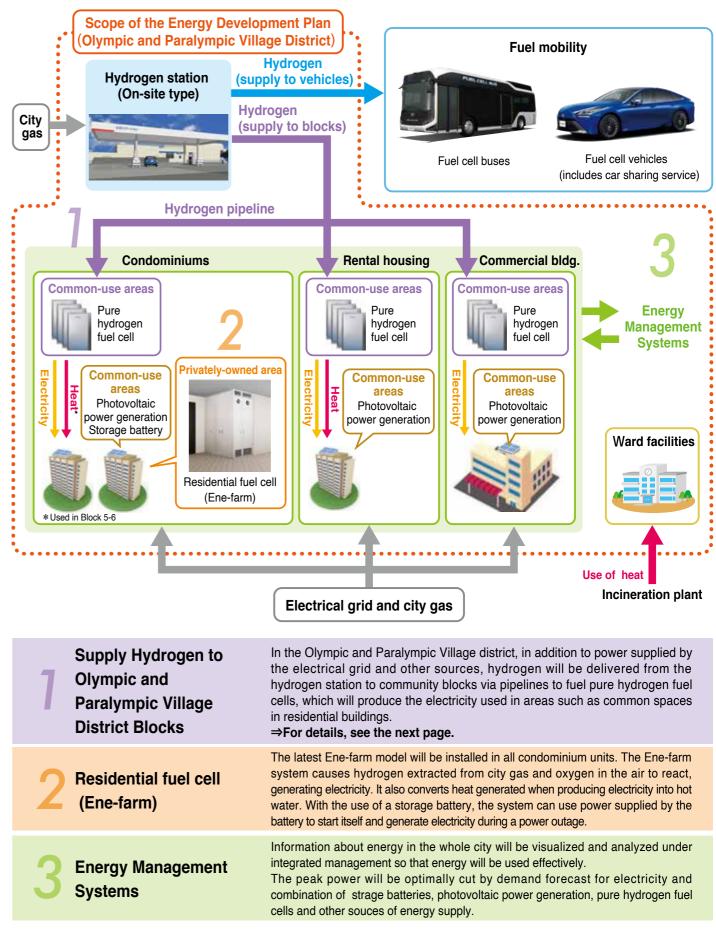


Hydrogen is abundant.

Since hydrogen energy emits no CO2 when used, if a system to mass-produce hydrogen from water using electricity produced from renewable sources is put into use, this would be the key to realizing a carbon neutral society.

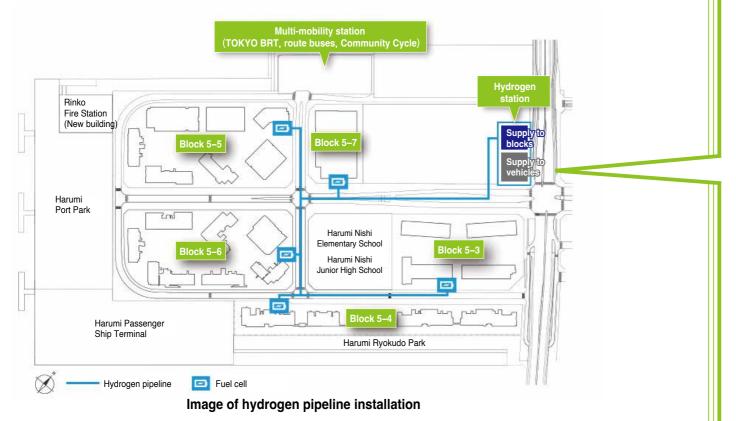
In addition, because hydrogen can be produced from fossil fuels, as well as from biomass and other resources, its use will contribute to transforming the energy structure.

Olympic and Paralympic Village District Energy Project Initiatives



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.



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.





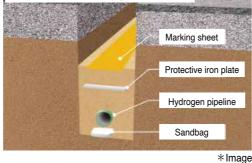


*FC buses and FCVs fall under the category of Zero Emission Vehicles (ZEV), which do not produce emissions such as CO2 when running.

Supplying residential blocks

Hydrogen pipeline [Pipeline]

The pipeline, which will Cross section of underground pipeline 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.



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.



*Image

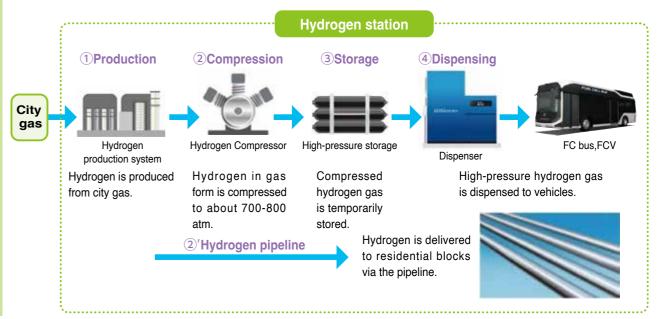
Hydrogen station

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. \mathbf{O} Hydrogen Trailer

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.



Mobile type



Image of hydrogen station from auxiliary route 314

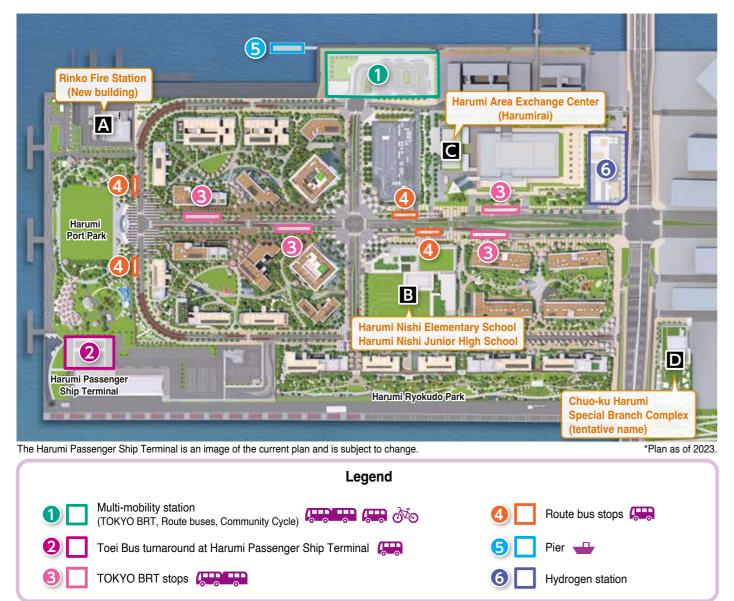
Transportation in the Harumi District

Transportation demand in Harumi district is expected to further grow due to, among others, the Post-Games area development. To support resident mobility, new TOKYO BRT or bus stops will be set in West Harumi 5-Chome District and the Multi-Mobility Station (a multi-functional traffic square) and a landing dock will be built.



Transportation facilities in the West Harumi 5-chome District /

While continuing Toei bus operations, transportation facilities necessary for TOKYO BRT operations will be constructed to respond to the increase in transportation demand to occur after residents move into the area.



TOKYO BRT

TOKYO BRT will respond the waterfront area's growing transportation needs and connect the city center and waterfront area as a new public transportation system to support the community's development. Please check the Bureau of Urban Development website (About Tokyo BRT which ties the city center and seaside area.) for more details like the operation route and so on.



Construction of a multi-mobility station and pier

The multi-mobility station will be built as a multi-functional terminal for the TOKYO BRT, route buses, and community cycle bicycle sharing service. Taking advantage of the waterfront location, a pier that gives consideration to barrier-free access will also be developed in an integrated

Taking advantage of the waterfront location, a pier that gives considera manner.



Image of the area at its completion (simulated as of December 2021)

Co lu mn

Area facilities

A Rinko Fire Station (New building)

A new building to house the Rinko Fire Station was constructed, commencing operations on July 1, 2019. The new building is a five-story building with a helipad on the roof and firefighting capabilities to respond to ship disasters and critical port facilities.

Inquiries:Tokyo Fire Department Rinko Fire Station 03-3534-0119

B Harumi Nishi Elementary School , Harumi Nishi Junior High School

Scheduled to open in FY2024

Development of schools to become the town's symbols will be promoted from three perspectives: "schools as places to learn," "schools as hubs for the town," and "schools that grow along with the community."

C Harumi Area Exchange Center (Harumirai) Scheduled to open in FY2023

In order to promote voluntary interaction in the community and solve local issues, Hot Plaza Harumi will be renewed and the Harumi Area Exchange Center will be established as a comprehensive base for community activities conducted in cooperation with local residents and others.

Chuo-ku Harumi Special Branch Complex (tentative name) Scheduled to open in FY2024

Chuo-ku plans to build a special sub-branch offices that effectively consolidate functions such as childcare support, educational and cultural administrative services and a complex facility consisting of an elderly person consultation center, health center, library, and certified childcare center.



Layout image



Background and Future Plans

		·	
	2013	Jan.	Tokyo 2020 Olympic and Paralympic Bid Committee submits its candidature file
			The candidature file, consisting of 14 themes, was submitted to the International Olympic Committee headquarters in Lausanne
		Sep.	Tokyo selected to host the Olympic and Paralympic Games in 2020
	2014	Dec.	"Model Plan for Residential Buildings at Post-Games Olympic and Paralympic Village" released
			The plan was formulated and the following was released: • Plan to convert residential buildings into private residential complexes after their temporary use as accommodation facilities
			for the athletes.
			Adoption of the designated builder system in the urban redevelopment project to bring in the vitality and expertise of private developers.
	0015	le.e.	Aim to build a community where diverse residents can interact and live comfortably.
	2015	Jan.	Call for project partner for the planning of the Tokyo 2020 Games Olympic and Paralympic Village and post-Games legacy
		Mar.	Project partner for the planning of the Olympic and Paralympic Village and post-Games legacy decided
		Dec.	"Towards 2020: Building the Legacy" formulated
			The following concepts of area development was outlined to make the Olympic and Paralympic Village an attractive place for anyone to live:
			Diverse interaction within a community that is comfortable to live in
			 Close to water and greenery, a city where peace and calm can be felt A sustainable, eco-friendly city realized through the use of new technologies
	2016	Mar.	"Community Development Plan for the Olympic and Paralympic Village after the Tokyo 2020 Games" released
			The overview was released as follows:
			Construction of buildings and infrastructure (urban redevelopment project): number of housing units and floors, facilities to be introduced, schedules, etc.
			Energy plan: construction of a hydrogen station, installation of fuel cells at the commercial building and residential common-use areas
			Transportation plan: construction of a multi-mobiliity station (with a landing dock)
		Apr.	Type 1 Urban Redevelopment Project in the West Harumi 5-Chome District approved
		May	Call for a consortium (planned price for land disposition disclosed)
			Call for project partner for the planning of the Olympic and Paralympic Village Energy Project Plan
			Construction of roads and other infrastructure starts
		Jul.	Prospective consortium decided
			Project partner for the planning of the Olympic and Paralympic Village Energy Project Plan decided
		Sep.	Consortium decided (governor approved)
	2017	Jan.	Construction starts
		Mar.	"Olympic and Paralympic Village Area Energy Development Plan" and "Project Implementation Policy" released
		Jun.	Call for business operator of the "Olympic and Paralympic Village District Energy Project"
		Sep.	Prospective business operator of the "Olympic and Paralympic Village District Energy Project" decided
	2018	Feb.	Basic agreement for the "Olympic and Paralympic Village District Energy Project" concluded
	2019	Dec.	Development of facilities necessary for the Tokyo 2020 Games completed
	2021	Jul. – Sep.	Facilities temporarily used as the Tokyo 2020 Games Olympic and Paralympic Village
		After Oct.	Post-Games renovation
	FY2023		Residential buildings (medium-rise) and commercial building completed
	2024	Spring	Opening of the town
	FY2025		Project completed (Residential buildings (bigh-rise) completed)

Urban Redevelopment Section, Urban Development Projects Division, Bureau of Urban Development, Tokyo Metropolitan Government 2-8-1 Nishi-shinjuku, Shinjuku-ku, Tokyo 163-8001 Phone: 03-5320-5460

Former Olympic and Paralympic Village Site Development Section, 1st Urban Development Projects Office, Tokyo Metropolitan Government Kachidoki Sun Square 9th floor, 1-7-3 Kachidoki, Chuo-ku, Tokyo 104-0054 Phone: 03-3534-3453

Bureau of Urban Development website on the Development as a Legacy of the Tokyo 2020 Games (The West Harumi 5-Chome District) ©For more information, please visit our website.

