The Potential of Smart Tokyo

TOKYO METROPOLITAN GOVERNMENT

SMART TOKYO

The Ever-Evolving City

SusHi Tech TOKYO 2025

AREA

Smart Tokyo services areas

1 Nishi-Shinjuku
| Shinjuku Ward |

This business district lined with skyscrapers including the Tokyo Metropolitan Government Building is located on the west side of Shinjuku Station, which boasts the highest number of transiting passengers in the world. Nishi-Shinjuku has a well-established communications environment, which has been supporting the collaboration between industry, government, and academia to implement services that utilize cutting-edge technologies in various fields such as autonomous driving and universal communication. We are promoting smart city initiatives based on the consensus with the local community by operating the Nishi-Shinjuku Smart City Council with area management organizations.

2 Otemachi / Marunouchi / Yurakucho (OMY)
| Chiyoda Ward |

This area between the Imperial Palace and Tokyo Station has been home to leading Japanese companies for over a century as well as global companies that are leaders in their fields. We aim to establish an area management-type smart city by flexibly responding to changes in the times and evolving both the tangible and intangible functions of the city. From the heart of Tokyo, we are communicating the future value of cities to the world.

3 Takeshiba
| Minato Ward |

Located in the bay area on the east side of Minato Ward, this area is undergoing large-scale urban development. By implementing a data distribution platform in the Takeshiba area that allows various businesses to utilize data on visitor flow and attributes, road/traffic conditions, water levels, and more, the project aims to reduce congestion and enhance disaster prevention.

4 Toyosu
| Koto Ward |

Toyosu is home to condominiums, offices, and entertainment facilities, and has a diverse range of stakeholders, including residents, workers, and visitors. Services and solutions in a variety of fields are provided through the use of advanced technologies and an urban "operating system" to meet people's needs, improve satisfaction, and solve urban issues while aiming to realize a "mixed-use city of the future" where diverse facilities and people coexist and prosper together.

5 Minami-Osawa
| Hachioji City |

Located in the southeastern part of Hachioji City, Tama New Town comprises numerous residential areas, schools and universities, and commercial facilities. With a view to establishing a sustainable smart area that integrates cutting-edge research and the improvement of residents' lives through the use of ICT, studies are underway for urban implementation of cross-sectoral services and a sustainable smart city using advanced technologies.

6 Bay Area

Located in Minato, Koto and Shinagawa Wards, this area has been rapidly developed in recent years and is lined with exhibition facilities, hotels, and commercial facilities. Tokyo Waterfront City is promoting urban development initiatives that promote the implementation of digital technology and an increase in startups. In addition, the city is also promoting new initiatives that leverage unique features of the area such as live entertainment utilizing various cutting-edge technologies to enhance the attractiveness of the city and create a bustling atmosphere. In addition, in this area, the city is also implementing the Tokyo Bay eSG Project, which fuses nature and convenience to create a sustainable city that looks 50 to 100 years into the future.

Convenient and comfortable "Smart Tokyo" envisioned with the power of digital technology

DATA BASE	SERVICE	AREA
Creation of DATA infrastructure	**Creation of new services**	**Area creation**
○TOKYO Data Highway "Connected Tokyo"	○Support for development of smart services for startups, etc.	○Roll-out of smart services
○Tokyo Data Platform		

Aiming to enhance people's quality of life

Smart Tokyo aims to become a role model for major cities around the globe as the world's most information technology-intensive megacity.

DATA BASE

Creation of the infrastructure to support a Smart City

TOKYO Data Highway "Connected Tokyo"

We have been promoting the early realization of a "Connected Tokyo" for anyone, anytime, anywhere. We supported telecommunications carriers in upgrading their 5G antenna base stations to ensure a stable communications environment that remains operational even during disasters, such as by reinforcing mobile phone base stations. We will achieve infrastructure advancement through the combined use of various communication methods such as 4G/5G, Wi-Fi, and satellite as well as the establishment of data centers capable of handling AI and other communication data processing.

Tokyo Data Platform

This is a data linkage platform that promotes the creation of new services and creates a virtuous cycle of data utilization by the public and private sectors. Under the leadership of the Tokyo Metropolitan Government, which assures safety and security, useful data from the city, municipalities, and private sector will be successively incorporated, starting with open data. We are supporting and accelerating the creation of new use cases by providing accompanied support (such as advice and matching) to members of government agencies and private companies. We are also forming communities where people who provide and use data can connect with each other.

SERVICE

Creation of smart services to be implemented in the Smart City

Smart services utilize cutting-edge technologies to improve the convenience and quality of life of Tokyo residents. To provide smart services quickly, we have been supporting the development of services by agile startups and other companies in collaboration with each area. Since fiscal 2022, we have been publicly soliciting and selecting private businesses (Smart City Implementation Promotion Businesses) to support startups and the like.

AREA

Creation of areas that are the stages for a Smart City

Area management organizations are taking the lead in developing smart services that take advantage of regional characteristics and resources. We first rolled out smart services tailored to the unique characteristics of the five pilot areas: Nishi-Shinjuku, urban districts, the Bay Area, Minami-Osawa, and the Tokyo islands. We are expanding the results achieved in these five areas to other parts of Tokyo.

7

Islands

We will utilize digital technologies to promote use of a seamless transportation service that optimally combines multiple mobility services, as well as strengthen the review system for intra-island transportation in Hachijo Town to support the formulation of an intra-island transportation vision.

8

TAKANAWA GATEWAY CITY

| Minato Ward |

Takanawa Gateway City is a large-scale redevelopment centered around Takanawa Gateway Station, which opened in March 2020 and was the first new station to open on the JR Yamanote Line in 49 years. The city is positioned as a testing ground for a rich and fulfilling life 100 years from now involving the station and the town and is promoting measures to resolve social issues and contribute to environmental conservation through advanced initiatives to achieve virtually zero CO_2 emissions and the development of an urban operating system.

9

Area around Shibuya Station

| Shibuya Ward |

In addition to being well-known as a center of youth culture and a tourist destination, the area is also home to many IT companies, making it a place of great diversity. In order to realize its vision of the future as a place that transforms differences into power, Shibuya is utilizing digital technology and data to improve both individual happiness and regional attractiveness in a wide range of areas, including childcare, education, welfare, disaster prevention, culture, and industry.

10

Musashidai

| Fuchu City |

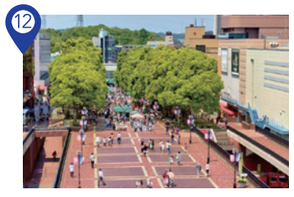
Located nearly in the center of Tokyo, this area has approximately 260,000 residents. In the Musashidai area centered on the Tama General Medical Center, the project aims to establish a service that enables real-time visualization and sharing of information on medical resources at each medical institution in the event of a disaster to speed up the provision of medical care to Tokyo residents in need in the event of a disaster. Phase-free functions will also be implemented to promote digital transformation of hospitals even during normal times.

11

Komae City

Located in the eastern part of the Tama region of Tokyo, Komae City borders Tokyo's 23Wards, offering easy access to central Tokyo and abundant nature such as the Tama River. Komae is actively promoting an urban operating system that collects, integrates,analyzes, and visualizes data. Using the urban operating system as a hub, the city will also focus on community revitalization, provision of resident services that expand the potential of children, disaster prevention, and regional development.

12



Tama Center

| Tama City |

Tama City, located in the midwestern part of Tokyo, is working to make the city smarter with a focus on Tama Center, which consolidates urban functions. As society changes, so do the assumptions and premises for how to use a town. In order to respond to needs that are different from those in the past, we are creating a "town use program" that uses the keyword of "empathy" to make full use of existing resources such as urban and other types of infrastructure" and promotes the formation of digital and real platforms.

13

Higashi murayama City

Higashimurayama City is located in the northwestern part of Tokyo. In recent years, various administrative issues have emerged, including the diversification of citizens' lifestyles and values, and a declining population. Therefore, with the aim of realizing prompt and efficient support for citizens and businesses, the city aims to promote local economic circulation and regional activities by utilizing two functions: "digital local currency" and "digital administrative points."

14

Akasaka

| Minato Ward |

Located in the northern part of Minato Ward adjacent to the Kasumigaseki area where all the ministries are concentrated, Akasaka is one of Tokyo's leading business districts. It is also a residential area home to many people who work in the city center. Aiming to build a phase-free area platform that has value both in normal times and during disasters, we are implementing initiatives such as visualization of the city using a data linkage platform, DX transformation of the use and management of parks and open spaces, and utilization of portable module batteries in existing urban areas.

15

Takashimadaira

| Itabashi Ward |

Located in the northern part of Itabashi Ward on the south bank of the Arakawa and Shinkagishi Rivers, and centered around Takashimadaira Danchi, this area offers both convenience of living and abundant nature. The project aims to create a safe town where people want to go out and can move around easily by measuring human flow using sensors and creating convenience by introducing mobility systems. The area is also preparing for disasters by conducting evacuation simulations using a 3D urban model.

16

Bunka Kyojima Oshiage

| Sumida Ward |

Located in Sumida Ward in the eastern part of Tokyo, this area is a tourist destination featuring the Tokyo Skytree and other attractions and retains a traditional downtown atmosphere. Our first action in this area was to attract a university to promote the collaboration among the public, private, and academic sectors to address issues while involving local residents in initiatives. Going forward, we aim to create a town where people can live, work, study, and play in harmony through the provision of a health management application and promotion of a park management project.

17

HANEDA INNOVATION CITY

| Ota Ward |

Located close to Haneda Airport, the gateway to Japan, and offering a wide range of distinctive functions, including commercial and office functions, with cutting-edge technology and culture at its core, this large-scale facility operates through a public-private partnership with Ota Ward. In addition to serving as a gateway between the world and the region, the aim is to develop a "New Industrial and Creative Promotion Base" through initiatives such as the construction of a smart city by serving as the testing ground for demonstrating cutting-edge technologies and services.

18

Toshima Ward

Located in the northwest of Tokyo, this area is known as a hub for cultural expression and international arts and culture. As an "SDGs Future City," it is also actively engaged in environmental protection and regional revitalization. We will collect and analyze data on local communities and regional characteristics and use the insights to improve the operation of community plazas and support community development, thereby revitalizing the local community.

19

Machida City

Positioned at the southernmost tip of Tokyo, it is a vibrant area with easy access to central Tokyo, a rich natural environment, and a variety of commercial facilities that make it an easy place to live. By aggregating and publishing public and private data related to the city, such as statistical information and 3D map data, and utilizing generative AI, we will provide a city OS platform that enables everyone to effectively utilize data. This in turn will promote effective policymaking and new service creation.

20

Akasaka-Toranomon Green Road

Lined with offices, residences, and embassies, this area is home to a diverse group of citizens, including office workers, long-time local residents, and those living in nearby homes. By utilizing spatial information, human flow data, and environmental data, we will promote community development that leverages the natural environment and biodiversity, thereby realizing a sustainable city that coexists with the natural environment.

21

Tachikawa City

Situated almost in the center of Tokyo, this area is known as a transportation hub. The area around Tachikawa Station is home to large commercial facilities and office buildings, while the vast Showa Memorial Park and rich natural environment offer a charming blend of urban convenience and natural beauty. We will promote the creation of tourism content that makes it easier for tourists to explore the area by utilizing community data on Tokyo citizens and customer attribute data from local businesses.

22

Oimachi

| Shinagawa Ward |

Located in the southeastern part of Tokyo and facing Tokyo Bay, this area is an important transportation and industrial hub with many commercial facilities and office buildings while also home to historical sites and cultural facilities. We aim to co-create a vibrant station-area community where a diverse range of pedestrians coexist, including residents, workers, families with children, and inbound visitors. Through improvements to pedestrian-friendly infrastructure, we are working toward a transformation into a dynamic urban space that encourages walking.

SMART TOKYO

The Ever-Evolving City

SusHi Tech TOKYO 2025

SERVICE

Smart services implemented

To accelerate the realization of Smart Tokyo, it is necessary to implement numerous smart services within Tokyo and enable residents to experience their convenience. Therefore, we are promoting initiatives to facilitate the implementation of smart services by startups and other entities that are brimming with creativity and agility. Here, we will introduce the smart services that have been implemented.

1 Real-time route guidance

You can check the location of subway trains in real time. The train icons allow you to check the estimated congestion status, destination, and estimated time of arrival.

2 World's largest projection mapping

We are conducting projection mapping that expresses various artworks with light and sound, using the Tokyo Metropolitan Government Building as a canvas. It has been certified by Guinness World Records™ as the "largest architectural projection-mapped display (permanent)".

3 Real-time rainfall information

Real-time rainfall information for a wide area centered on Tokyo is displayed. Rainfall intensity is classified into 10 levels and displayed for every 150-meter square area.

4 Translation-enabled transparent displays

Transparent displays with multilingual audio output have been installed in various metropolitan-owned facilities, including the Tokyo Metropolitan Government Building and subway stations. We are creating an environment where everyone can communicate smoothly.

5 High-quality tap water

We supply safe and delicious water by introducing advanced water purification treatment that combines ozone treatment and bioactive carbon adsorption treatment with conventional sedimentation, filtration, and disinfection.

6 Autonomous driving services

Self-driving taxis have been operating in West Shinjuku since July 2023.

7 GX initiatives using green hydrogen

We have developed a hybrid power supply model using hydrogen and sunlight. The green electricity is then used for building lighting.

8 Anti-heat stroke watch

This is a wearable device designed to help prevent heat stroke. Its use is spreading among several Tokyo-based educational institutions. By wearing this device and estimating core body temperature, it is possible to accurately measure the risk of heatstroke.

9 Evacuation shelter map service

We provide a service that provides real-time information on the availability and congestion of evacuation shelters in the event of a disaster as well as for restaurants and toilets in facilities.

10 Online learning platform for next-generation education

We offer an online experience service for elementary school students that allows them to gain career-related experience and learn necessary skills for the future in a fun and natural way while playing at "Miraii Park".

11 Childcare IT solutions for parents/guardians

This service uses IT to efficiently manage reservations for childcare services. It allows facility users to spend time with their children when they arrive at work and drop them off at the childcare facility as soon as they arrive at their workspace, creating an environment that enables them to balance childcare and work.

12 AI human resources matching service

We provide services that streamline back-office operations by using AI to match the right people with the right jobs and efficiently manage business operations.

13 Multilingual online appointment booking service for foreign patients

By removing language barriers, we aim to improve healthcare access for foreign patients. We provide a multilingual appointment booking service and medical questionnaires to help foreign patients find the right medical institution and facilitate treatment.

14 IoT system for energy-saving ventilation and air conditioning control

This service uses sensors to measure carbon dioxide levels and visualize ventilation conditions based on usage at offices and stores, and then automatically controls air conditioning equipment using AI.

15 Shoe-mounted vibration navigation device

A compact device attached to shoes guides users through vibrations.
This service works in conjunction with Siri on iPhones and dedicated map apps to find safe routes to destinations set in the app and guide users along those routes.

Icon List

Disaster prevention / Urban development / Mobility / Energy / Nature / Wellness / Education / Working style / Industry / Diversity / Culture/Art