Communication

The Tokyo Metropolitan Government formulated the TOKYO Data Highway Basic Strategy in August 2019 and has been supporting the development of 5G antenna base stations by telecommunications carriers to quickly build "Radio Road," the world's fastest high-speed mobile Internet network, and realize a smart Tokyo. Furthermore, in August 2023, to promote further development of the telecommunications network toward the realization of a "Connected Tokyo," the Connected Tokyo Deployment Policy was formulated, which sets out the direction of development for each means of communication and a roadmap to 2030. Based on this policy, various means of communication such as 4G/5G, Wi-Fi, and satellites will be utilized in the right place at the right time, and, through various approaches, "Connected Tokyo" will be realized in all areas of Tokyo, for anyone, anywhere, to access anytime, no matter what, as soon as possible.

OPENROAMING
TOKYO FREE Wi-Fi

Data Utilization

Data Linkage Platform

The Tokyo Data Platform (TDPF), a data linkage platform that promotes the utilization of various types of data from the public and private sectors and encourages the creation of new services, started operation in January 2024. Beginning with open data from the Tokyo metropolitan area, wards, municipalities, and villages, effective data from the private sector, etc., will be incorporated sequentially. TDPF provides side-by-side support (advice, matching, etc.) to members of government agencies, private companies, etc., and forms a community that connects diverse entities to encourage the creation of new services by linking various kinds of data from the public and private sectors.

Digital Twin

Construction and operation of the Agency Data Collaboration Platform has begun with the aim of realizing a "Digital Twin" technology that will enable various analyses and simulations of actual buildings, terrain, etc. by reproducing them in 3D in virtual space. This will enable the coordination of various types of geospatial data held by TMG across bureaus, as well as the verification and development of technologies for future social implementation.

In addition, verification and technical demonstrations are being conducted for future social implementation. Since FY2022, the Agency has been developing data that will serve as the infrastructure for the Digital Twin, such as by acquiring 3D point cloud data for the entire Tama and island areas by aerial laser survey and converting this data into open data.

Innovation Ecosystem

Be Smart Tokyo (Project)

In order to promote the social implementation of smart services toward the realization the Smart Tokyo, a number of smart services must be implemented in Tokyo, so that every Tokyo residents can experience the convenience of these services.The Tokyo Metropolitan Government promote initiatives to encourage the implementation of smart services by agile startups.Starting from FY2022, in collaboration with the Tokyo Metropolitan Government, publicly recruit and select Private-sector business operators “Smart Service Promoter” that support startups and others stakeholders for implementing smart services. A total of nine parties are planned to be publicly recruited and selected in three years from FY 2022, to promote the speedy implementation of smart services by bringing together startups and other stakeholders who are highly creative and mobile in collaboration with each area.

Access to Tokyo

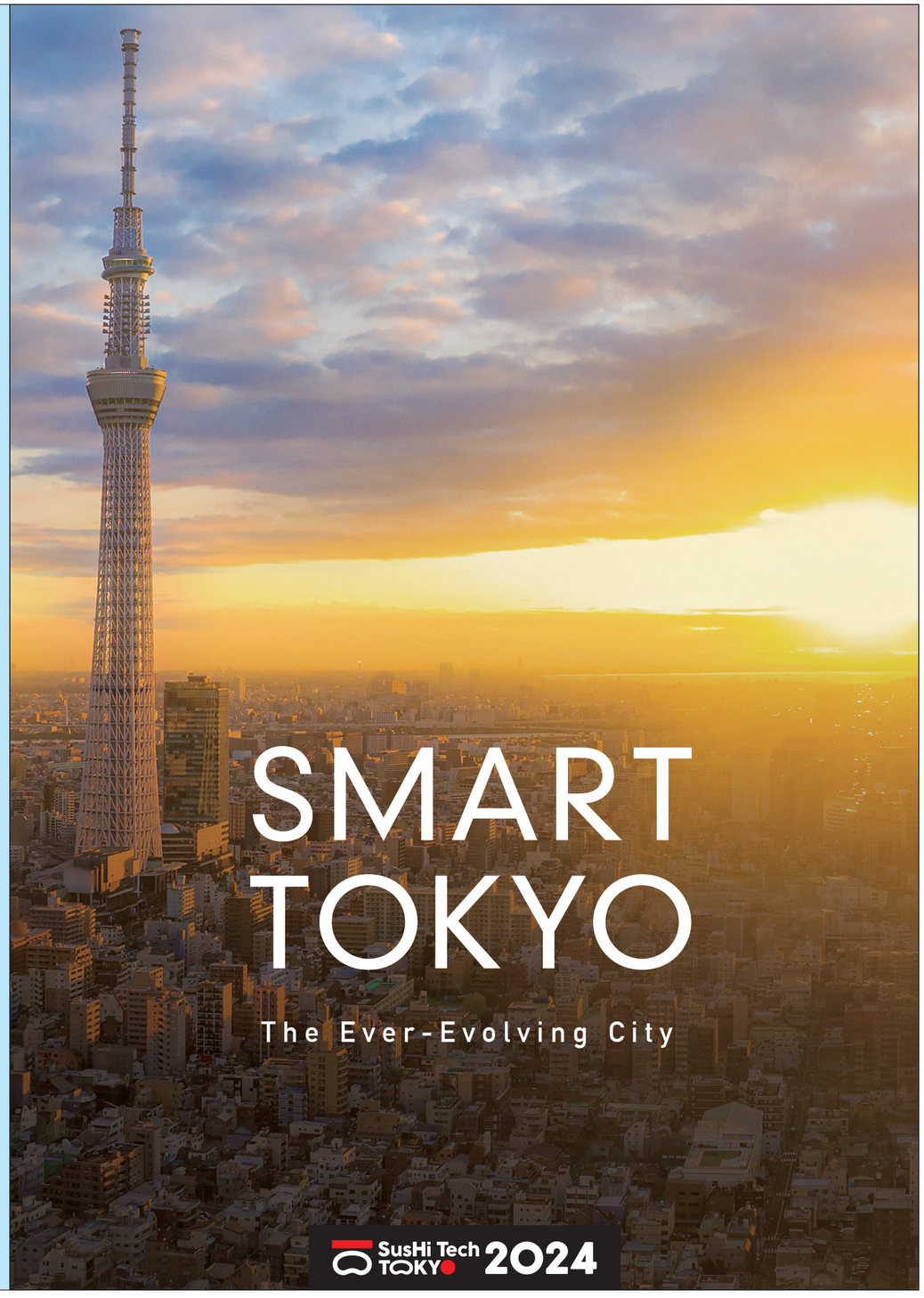
As part of its efforts to become Asia's innovation and financial hub for realizing a sustainable society, the Tokyo Metropolitan Government is working to attract foreign companies and is providing various support measures to stimulate their desire to set up business in Tokyo. “Access to Tokyo" is an overseas liaison office with five overseas locations that focuses on providing information to foreign companies about TMG's support measures and the charms of Tokyo as well as discovering promising companies by leveraging networks with local hub organizations. The offices are located in London, Paris, San Francisco, Singapore, and Bengaluru, and offer services in local time in the local language.

Tokyo Innovation Base

To spark innovation from Tokyo, the Tokyo Metropolitan Government is building the Tokyo Innovation Base (“TIB”), a major hub where startups and their supporters from Japan and abroad will gather and interact. The aim is for Tokyo to become a hub of innovation that connects the city to the country and the world. TIB will become a place where diverse people connect and create pioneers who will advance society with innovative ideas and technology, making Tokyo the most startup-friendly city in the world. Through TIB, a new movement of innovation will take flight.

TOKYO METROPOLITAN GOVERNMENT

This leaflet is made of LIMEX, a new material mainly made from limestone.



Smart Tokyo

In December 2019, the Tokyo Metropolitan Government formulated the Future Tokyo Strategic Vision to provide the foundation for the city's long-term strategy. One of its basic strategies is to realize a "Smart Tokyo" that will draw out the city's potential with the power of digital technology, enabling its residents to enjoy a high quality of life. "Smart Tokyo / TOKYO Data Highway Strategy" is one of the strategies for 2030. In February 2020, the Tokyo Metropolitan Government formulated the Smart Tokyo Implementation Strategy and is developing measures to enrich the quality of life of residents in all aspects of their lives through the power of digital technology.

Potentials of Smart City Tokyo

Metropolitan Population	Number of Fortune Global 500 company headquarters	Urban safety index ranking (medical/health)	Public transportation usage rate	5G population coverage rate	Smart City-related business budget size
World's #1 (approx. 36 million)	World's #2 (38 companies)	World's #1	World's #1	99.5%	169 B JPY
Source: Ministry of Land, Infrastructure,Transport and Tourism (2018)	Source: Fortune Global 500 (2017)	Source: Safe Cities Index 2021	Source: Global Power City Index	Source: Ministry of Internal Affairs and Communications (end of FY2022)	Source: Tokyo Metropolitan Government (FY2024)

Smart Tokyo Area

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

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 (Chiyoda Ward)

Located between the Imperial Palace and Tokyo Station, this area has been home to many Japanese as well as global companies that have led Japan's economy for more than a century.To establish an area management-type smart city, Tokyo has been evolving its functions in accordance with the changing times and is working to enhance the value of the area with updates and redesigns.

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 5G and advanced technologies.

6 Bay Area

Located in Minato and Koto Wards, this area has been rapidly developed in recent years and is lined with exhibition facilities, hotels, and commercial facilities. The 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.

7 Islands

On the islands, the goal is to build new connections between residents/businesses on the islands and related populations/businesses outside the islands as well as promote the creation and implementation of community-based social problem-solving projects that utilize digital technology. At the same time, the aim is to create a model that promotes community-based solutions to social issues by optimally combining multiple mobility services and promoting the use of seamless transportation services.

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 CO2 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, including Google, 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 23 Wards, 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 Higashimurayama 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.

Tokyo map