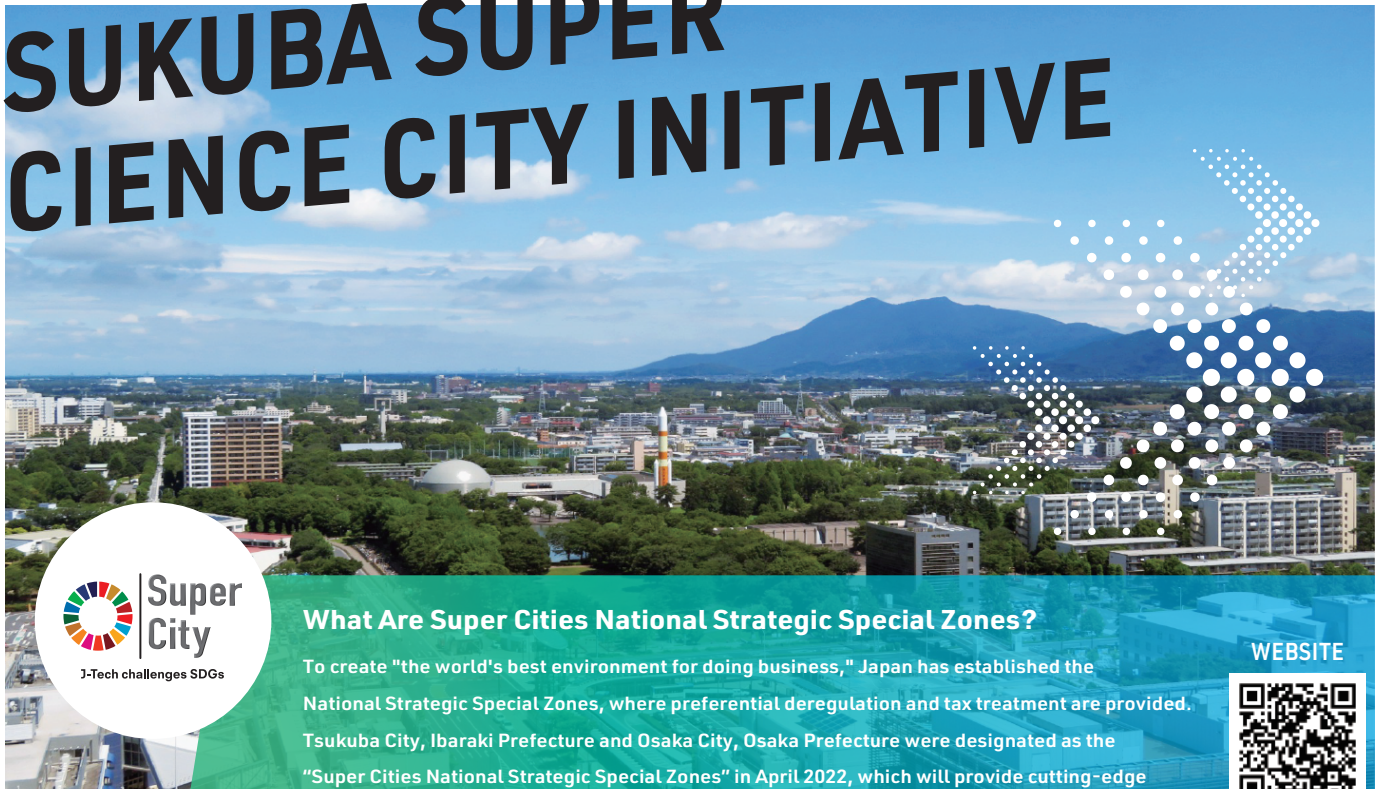


TSUKUBA SUPER SCIENCE CITY INITIATIVE



What Are Super Cities National Strategic Special Zones?

To create "the world's best environment for doing business," Japan has established the National Strategic Special Zones, where preferential deregulation and tax treatment are provided. Tsukuba City, Ibaraki Prefecture and Osaka City, Osaka Prefecture were designated as the "Super Cities National Strategic Special Zones" in April 2022, which will provide cutting-edge services by database collaboration among multiple fields, along with bold regulatory reforms.

WEBSITE



Unlocking New Opportunities and Empowering Well-Being of Citizens Through Science

Tsukuba City, the largest technology hub in Japan, is dedicated to bringing together the best science and technology to achieve the SDGs in the spirit of "Leaving no one behind." The city is committed to promoting the social implementation of cutting-edge technologies such as digitalization and robotics and optimizing urban functions.

Tsukuba aims to deepen ties between residents and become a resident-centered Super City by encouraging resident participation to overcome complex social issues and achieve innovative livability.

Outline of Tsukuba City



- Population: 250,000
- Researchers: 20,000 (including 8,000 PhDs)
- 150 research institutes and universities
- Non-native population: 12,000 (approx. 150 countries)

The 6 Fields of Services With Cutting-Edge Technology

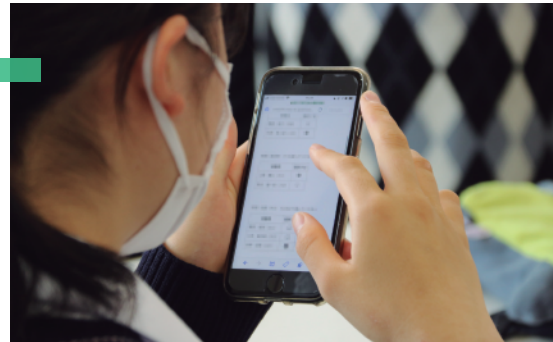
Mobility, Delivery
Government
Healthcare
Safety, Resilience, & Infrastructure
Digital Twin
Open Hub

- | | |
|---|---|
| Mobility, Delivery | <ol style="list-style-type: none"> (1) Full-scale introduction of personal mobility robots (2) Ensuring mobility in suburban areas (3) Automated package delivery by robots and drones |
| Government | <ol style="list-style-type: none"> (1) Internet Voting (2) Multi-language portal app (3) Improvement of procedures by implementing DX (4) Utilization of Administrative Big Data |
| Healthcare | <ol style="list-style-type: none"> (1) Healthcare through data linkage of pharmaceuticals, nursing care, and medication (2) Improvement of emergency treatment (3) Returning beneficial medical records to individuals |
| Safety, Resilience, & Infrastructure | <ol style="list-style-type: none"> (1) Prompt evacuation guidance and medical coordination (2) Efficient management of infrastructure and energy (3) Regional anti-crime information network |
| Digital Twin | <ol style="list-style-type: none"> (1) Establishment of pioneering 3D digital infrastructure (2) Collection and utilization of maps, geographic data, BIM data, etc. |
| Open Hub | <ol style="list-style-type: none"> (1) Support for non-native citizens' entrepreneurial activities (2) Simplifying procurement procedures |

MAJOR PROJECTS

Internet Voting

We aim to introduce internet voting to public office elections, by implementing strict personal authentication and advanced security, such as using Personal Number Cards and blockchain technologies. This will allow citizens to vote at their convenience, from any location. Moreover, this will provide greater accessibility to people with mobility difficulties, such as the elderly and those with disabilities.



Automated Delivery by Robots



We will introduce automatic delivery robots which will deliver products ordered through smartphone apps to people's homes. By doing so, we aim to enhance the convenience of daily life, particularly for people with children, disabilities, the elderly, and others.

Avatar Robots

to Help People With Disabilities Participate in Society



Due to physical or mental disabilities, some people require assistance leaving their home, which limits their ability to work. To solve this problem, we will introduce robots that allows workers to work by remote control. We aim to create an environment where people with disabilities can work and expand opportunities for social participation.

Digitalized Health Management in Schools

By introducing a smartphone app for physical condition management and adding a contact book function, teachers at schools can reduce the time and effort of keeping track of student conditions. In addition, the application aims to enable early detection of signs of the spread of infectious diseases, including COVID-19, and take preventive measures in the very early stages.

For more information



Promotion movie
of Tsukuba
Super Science City



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WEBSITE

