

“Reform 2020” projects

Leading Projects for 2020

to accelerate the reforms of the Growth Strategy

List of Projects

Providing solutions to social issues by technologies/ Exporting solution-integrated systems

Project N° 1 : Use of next-generation transportation systems and automatic driving technology

Project N° 2 : Solutions to energy/environmental problems through use of distributed energy resources

Project N° 3 : Realization of a universal future society through leading-edge robotic technology

Project N° 4 : International implementation of high-quality Japanese medical services and technology (inbound use of medical care)

Developing an environment to increase the number of foreign tourists to Japan

Project N° 5 : Showcasing Japan as a country of tourism

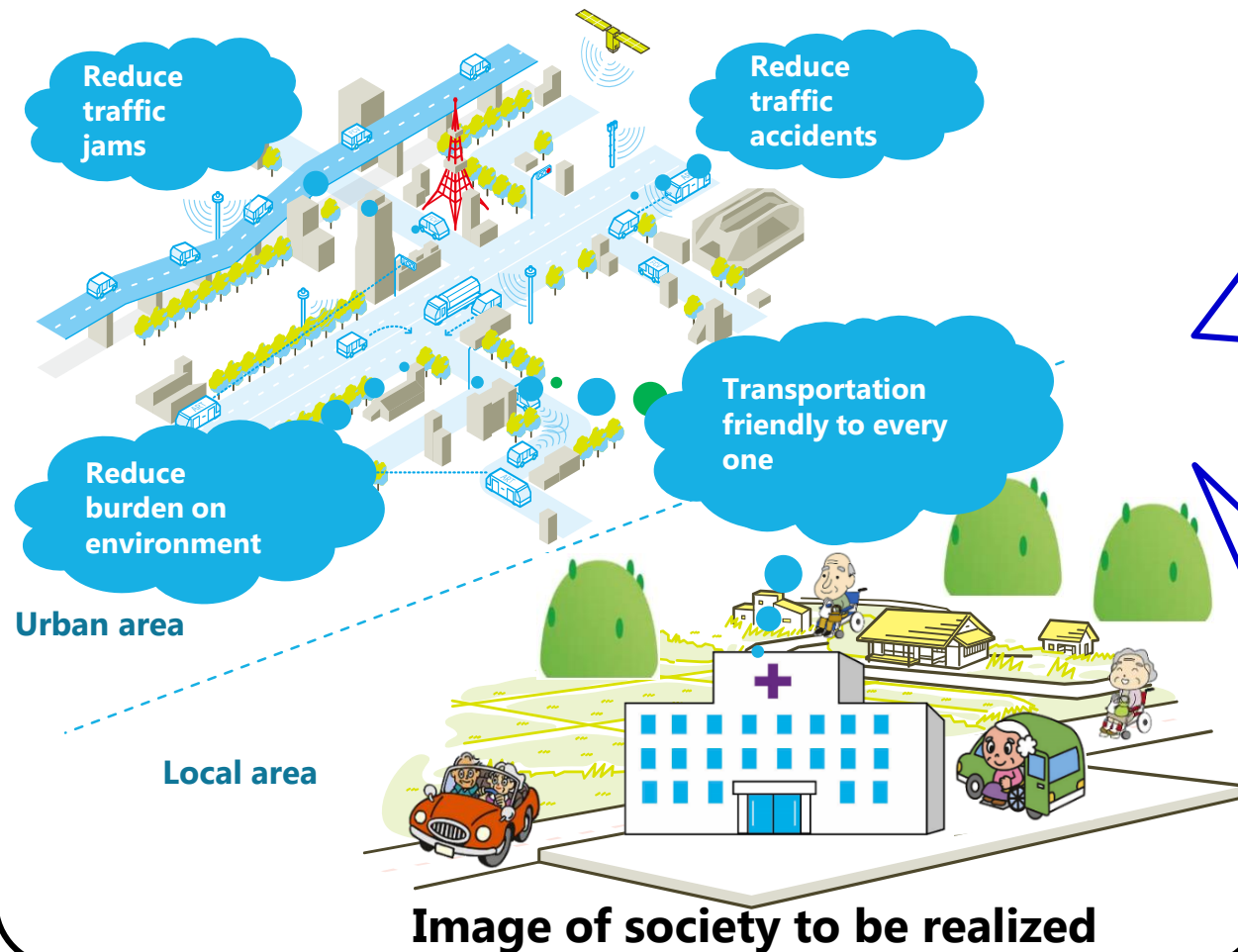
Expanding foreign direct investment in Japan and improving business environments

Project N° 6 : Policies to attract more foreign direct investment in Japan

Project N° 1 : Use of next-generation transportation systems and automatic driving technology

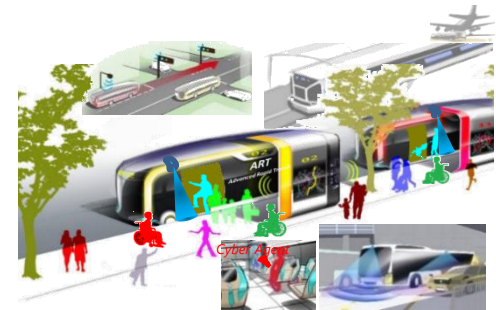
(1) Realize a smart mobility system in Tokyo waterfront area at the occasion of 2020 Tokyo Olympic and Paralympic games, (2) Secure transportation for elderly persons, utilizing advanced automatic travelling technologies,(3) Realize an automatic following travelling system (in convoy form) for trucks

R&D projects for automatic travelling system (under Cross-Ministerial Strategic Innovation Promotion Program)



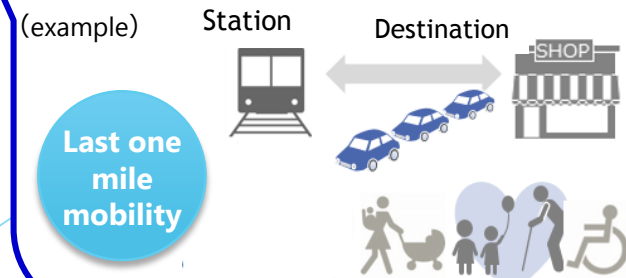
(1) Realize a smart mobility system (ART: Advanced Rapid Transit) at the occasion of 2020 Tokyo Olympic and Paralympic games

Appeal to the world and involve also regions. Concrete bus services in Tokyo under coordination

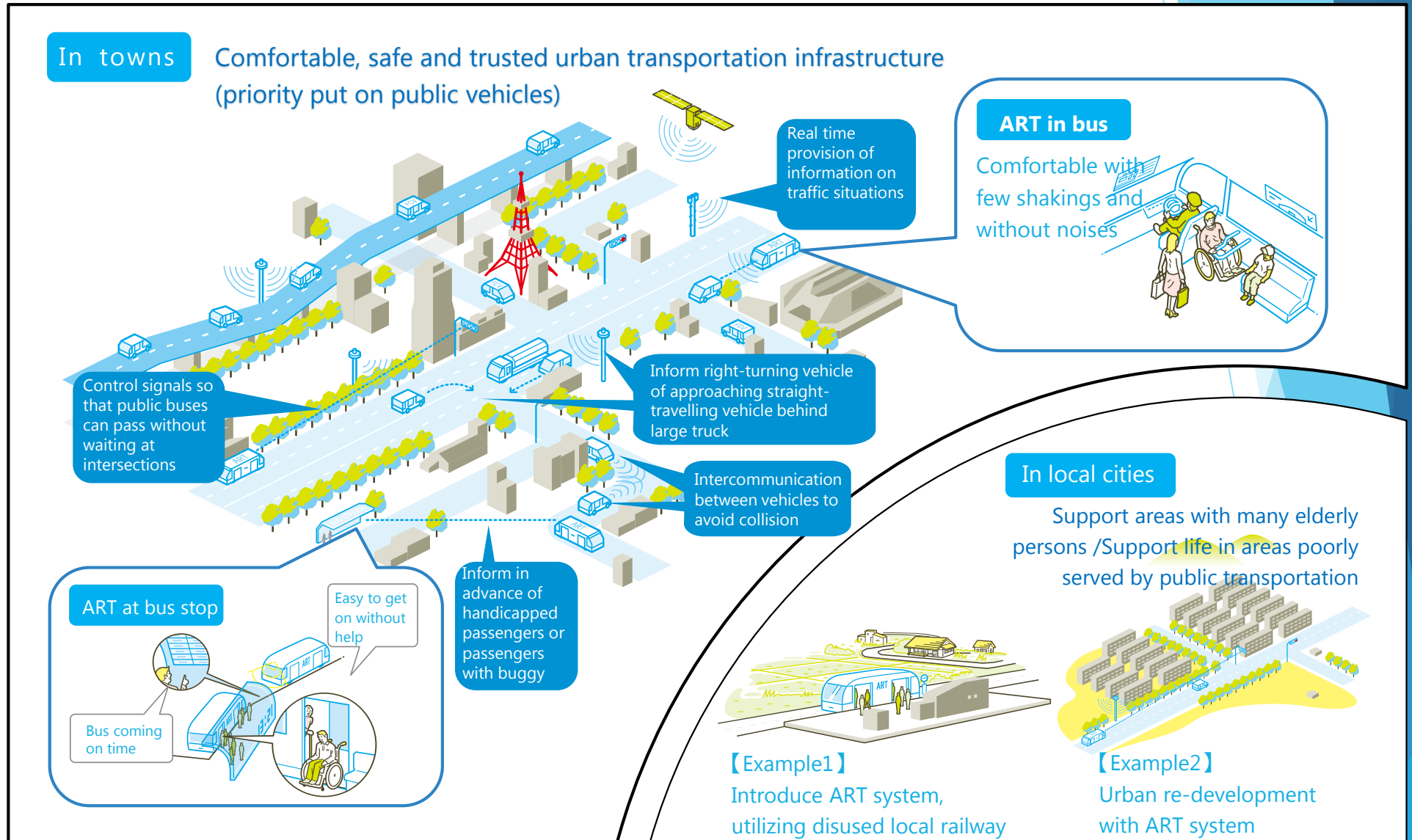


(2)(3) Utilization of further advanced automatic travelling technologies

Transportation friendly to handicapped or elderly persons

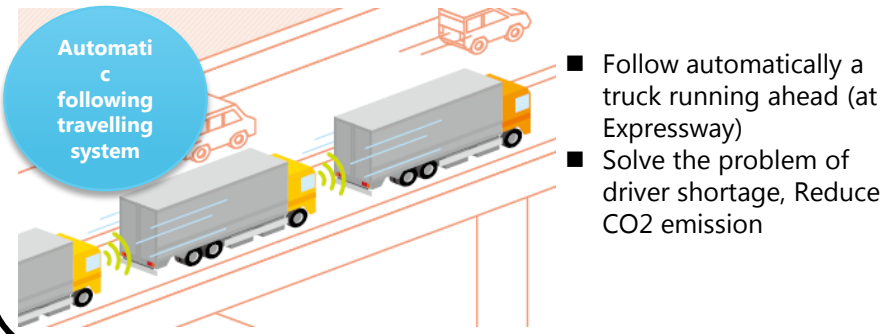


(1) A smart mobility system (realization of "ART:Advanced Rapid Transit")

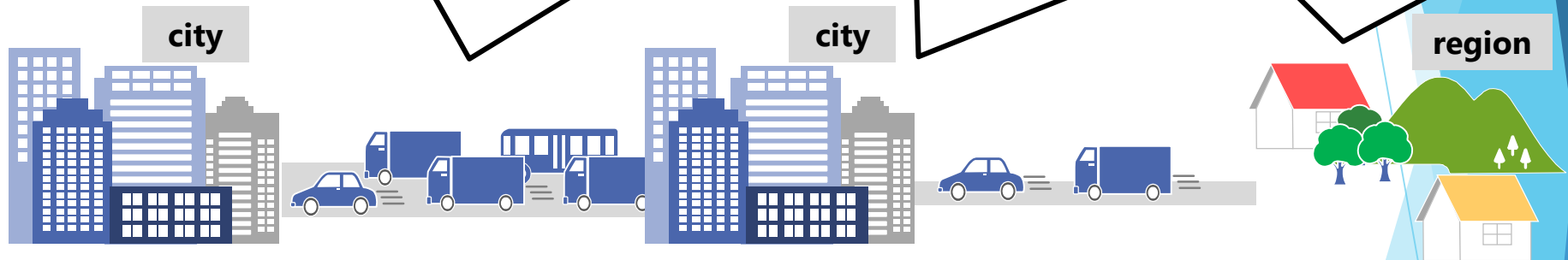
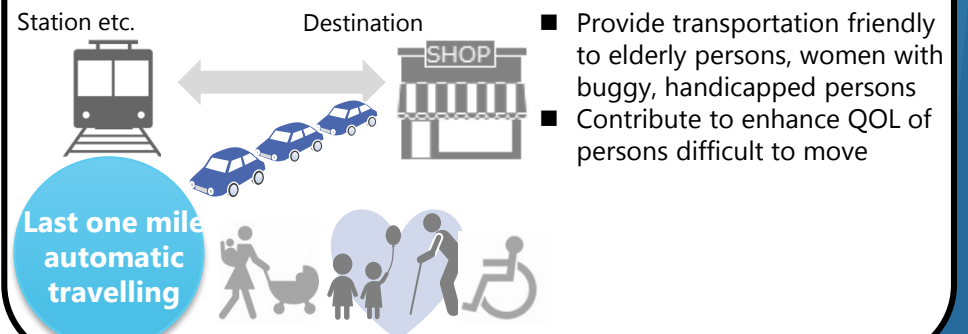


(2)(3) Further utilization of automatic travelling systems

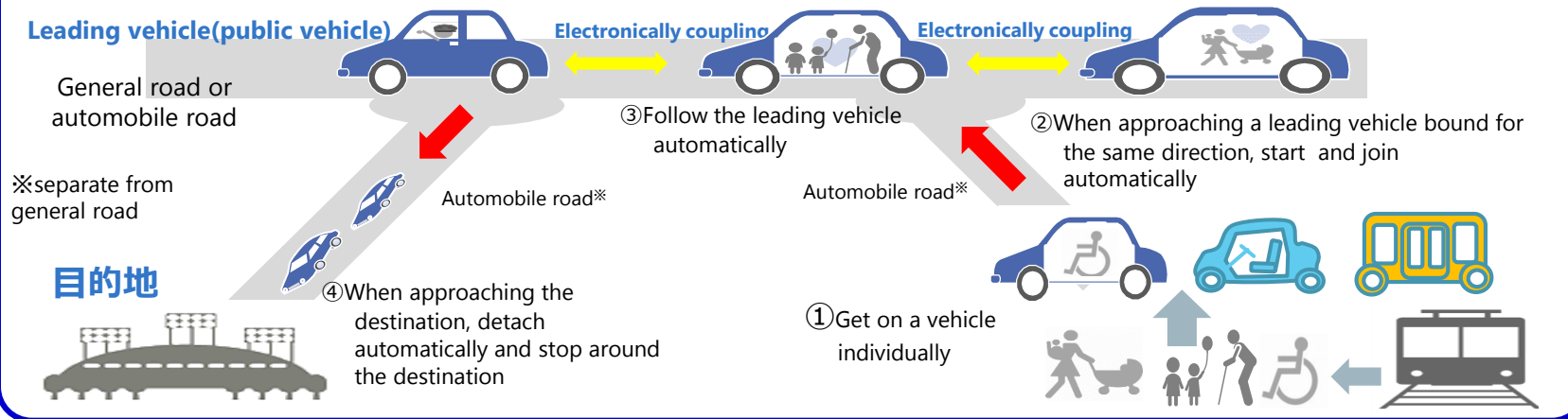
Solve the shortage of drivers, Reduce CO2 emission



Secure transportation friendly to elderly persons



Last one mile automatic travelling system



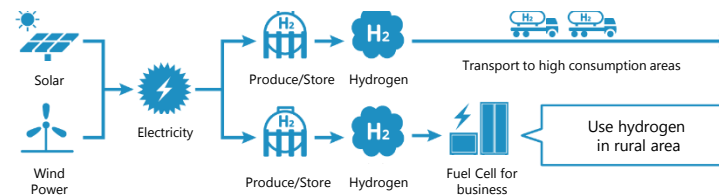
Project N° 2 : Solutions to energy/environmental problems through use of distributed energy resources

(1) Utilization of CO2 free-hydrogen generated from renewable energies

Produce CO2 free-hydrogen utilizing surplus electric power of renewable energy facilities in region, transport hydrogen to areas with high energy demand, provide hydrogen for the use of fuel cell buses, thus realize CO2 free-hydrogen society combining region and large city

(1) Production : use of renewable energy in rural area

Produce hydrogen free of CO2 by renewable energy, such as solar or wind power, which is rich in rural.



(2) Transportation : establish a new method of transportation which is more efficient

In addition to pressured hydrogen, which is the traditional way, establish a new method of transportation which is more efficient.



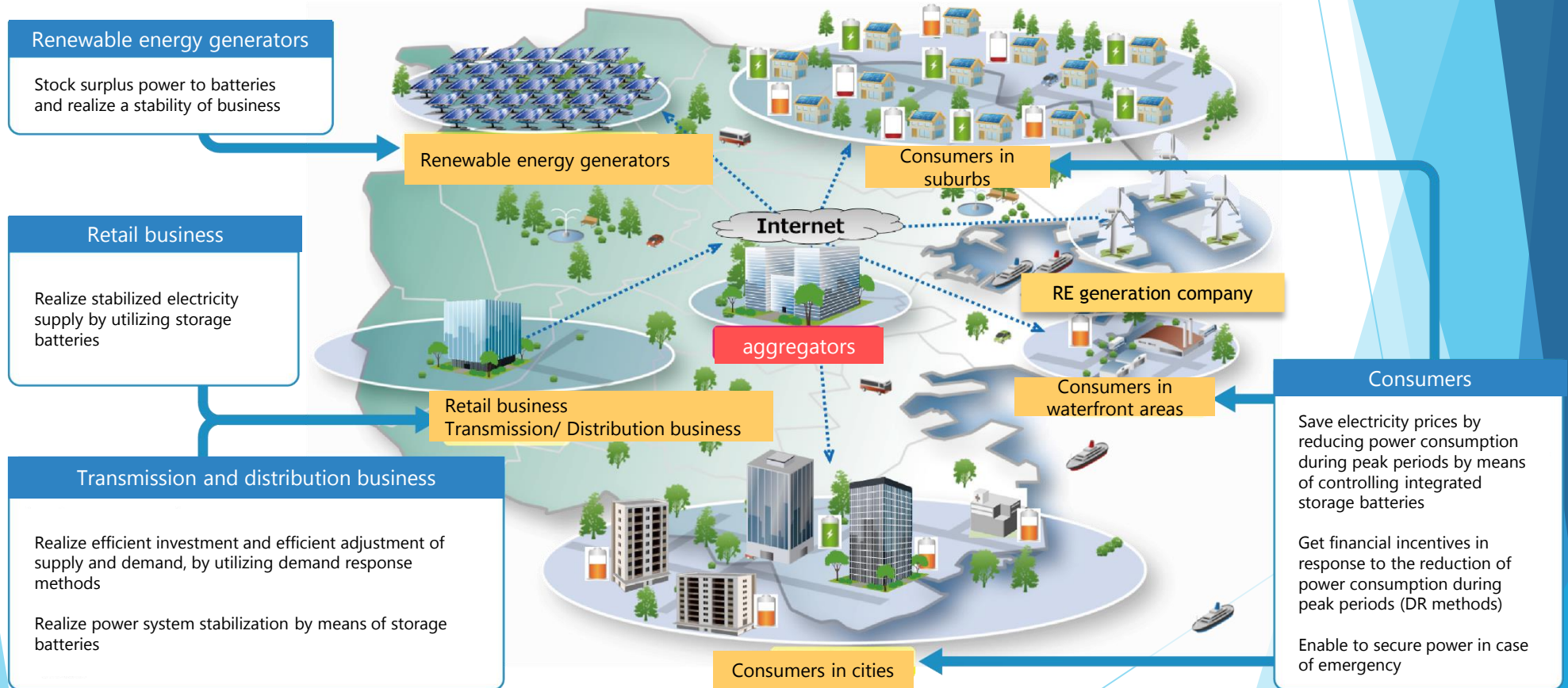
(3) Utilization : use hydrogen in Tokyo

Supply fuel cell buses with hydrogen at hydrogen stations in consumption area like Tokyo.



(2) Establishment of innovative energy management system

Establish a new energy management system, integrating dispersed renewable energy facilities, storage batteries, etc. utilizing demand response methods as if it functioned as a single power generation facility

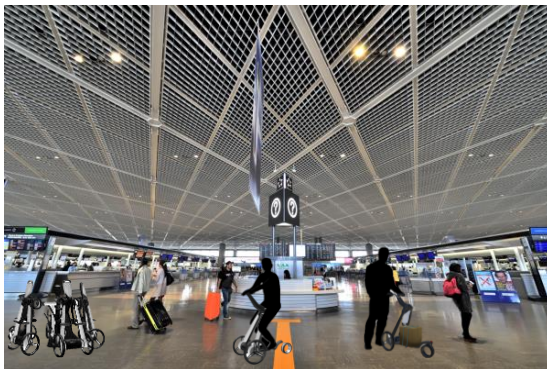


Project N° 3 : Realization of a universal future society through leading-edge robotic technology

Realize a society where you see everywhere robots providing a wide range of services so that elderly persons, handicapped persons or foreign people can enjoy stress-free lives, and make it a showcase

【Place of implementation】 Daiba and Aomi areas (Tokyo waterfront area)

Establish a field of demonstration for advanced technologies such as personal mobility, video display technologies with high presence, digital signage, multilingual translation, indoor-robots



Demonstration at an airport



Demonstration at Daiba

【Place of implementation】 City area and airports

Show to the world a wide range of services provided in coordination by autonomous mobile robots in city areas and communication (translation or guidance) robots or luggage support robots at airports

Example of robot technologies

Easy to communicate

Hello 你好
Bonjour...



首にかける翻訳機等
Multilingual translation

4K, 8K Ultra High-Definition (UHD) TV



Digital signage
Video display with high presence

Support to carry luggage or assist for elderly or handicapped persons



Power assist suits

Autonomous driving or support for moving



Personal mobility

Welcome and give guidance

Listen to needs for help

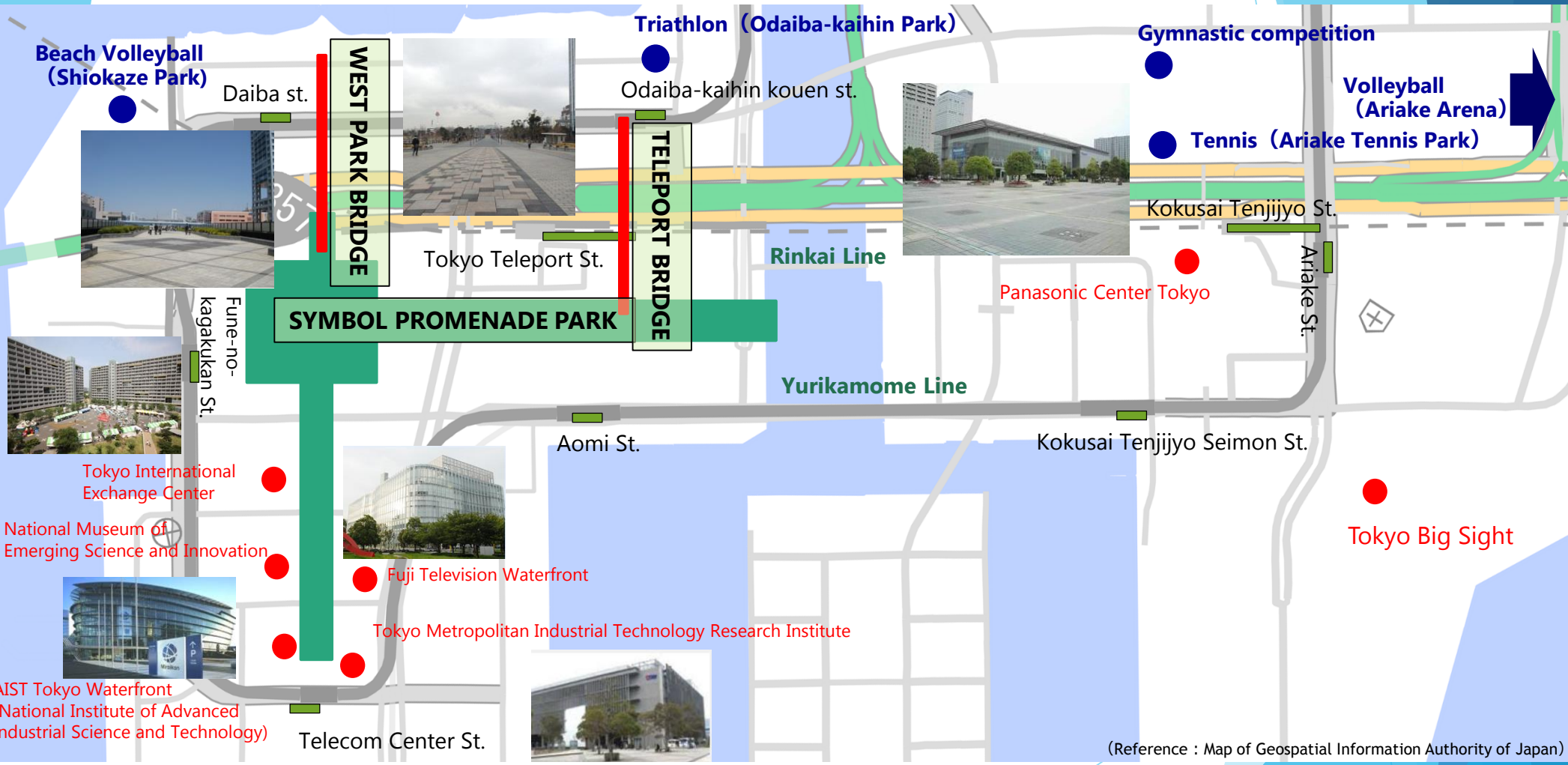
Provide services according to the needs



Guide robot

(Annex) Image of projects implemented at Daiba and Aomi areas

- Fields of demonstration for various robots
- Olympic and Paralympic games facilities (as of Jun. 2015)



(Reference : Map of Geospatial Information Authority of Japan)

- Demonstration of personal mobility at West Park Bridge, Teleport Bridge, and Symbol Promenade Park
- Exhibitions at facilities and Centers

Project N° 4 : International implementation of high-quality Japanese medical services and technology (inbound use of medical care)

Make a list of medical institutions active in receiving medical examinees from abroad, in the field where Japan has international advantages with high overseas needs, and provide an opportunity to experience Japanese medical care (early finding and prevention of disease, medical treatment and rehabilitation) by overseas medical examinees



Orthopedic surgery/ rehabilitation

Neuro rehabilitation

- Operation using Japanese artificial joint
- Rehabilitation
- Medical care after traffic accidents or



- Advanced medical devices enable to convey to brain how to move legs

Medical checkup



- accurate diagnosis

Hernia



- Endoscopic operation of slipped disk

SAS



- Treatment of sleep apnea syndrome(SAS)

Treatment of cancer



- Corpuscular beam therapy or boron neutron capture therapy (BNCT)

Diabetes



- Diabetes medical treatment instruction (exercises, dietary cure etc.)

Regenerative medicine



- Cutting-edge regenerative medicine(myocardium etc.)

Project N° 5 : Showcasing Japan as a country of tourism

In order to attain the targets of 20 million inbound tourists in 2020, and of 30 million in 2030, create internationally attractive destinations for sightseeing, by brushing up sightseeing resources in regions. To this end, showcase selected destinations for sightseeing in regions, Tokyo area and Tokyo international airports.

① Destinations for sightseeing in regions

Select destinations for sightseeing with great potentials, create in each selected destination "Japanese Destination Marketing/Management Organization (DMO)" as a platform to mobilize public and private sectors, and brush them up, by 2020, utilizing different subsidies and other financial measures of the government, as such attractive destinations for sightseeing as to receive many tourists from abroad

[Concrete initiatives]

- Establish DMOs in each selected region
- Brush up sightseeing resources
- Develop a stress-free environment
- Reinforce international promotion



【Festival of giant lantern in Noto】

【example :initiatives by DMO】

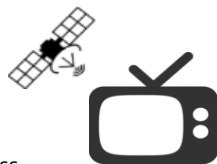
(English) This temple was built in 1020
(Japanese) このお寺は西暦1020年に建てられました。



【Multilingual translation】



【improve Wi-Fi access environment】



【Japan channel】

② Tokyo

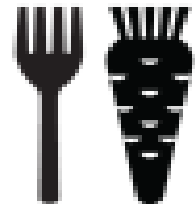
In the areas connecting principal railway stations, Olympic and Paralympic games facilities, and popular sightseeing spots, realize barrier-free public transportation systems with guide signboards easy to understand for anyone including foreign tourists, by 2020

[Concrete initiatives]

- Promote barrier-free environment
- Provide guide signboards easy to understand
- Develop a stress-free environment



【elevator】



Vegetarian food
【pictogram】

③ Tokyo International airports

Make more comfortable and practical Tokyo International airports

[Concrete initiatives]

- Improve accessibility to airports by trains and buses
- Dissemination of information from airports
- Develop a stress-free environment
- Promote barrier-free environment



【Most advanced toilet with multi functions】

【Digital signage】



Project N° 6 : Policies to attract more foreign direct investment in Japan

Put priority on expansion of FDI to Japan towards 2020 when Japan attracts worldwide attention. Disseminate actively the results of the Growth Strategy contributing to improve the business environment and, in collaboration with local governments, find FDI projects to Japan and encourage the realization of those projects.

2016

Rio de Janeiro Olympic and Paralympic games

World forum on sport and culture (Oct. 2016 in Kyoto and Tokyo)

○Collaboration with WEF

2020

Tokyo Olympic and Paralympic games
Target of stock of FDI (35 trillion yen)

2019

World cup of rugby (12 cities in Japan)

Japan Business Conference (2020 in Tokyo)

- Invite CEOs of foreign companies
- Received by relevant Ministers
- Disseminate information on improvement of business environment

Regional Business Conference (2019-2020 organized by local governments)

- Collaboration between regional bureaus of METI and local governments active in receiving foreign companies

Global Venture Summit (2020 in Tokyo)

- Invite global ventures and government leaders

Government : Top sales, reinforcement of JETRO
Local Governments : activities to attract FDI in collaboration with central government and JETRO

Improve business environment
Promotion of results of reforms

- Building a linking bridge between Silicon Valley and Japan
- University reforms to create global ventures

(Annex) Global Venture Summit

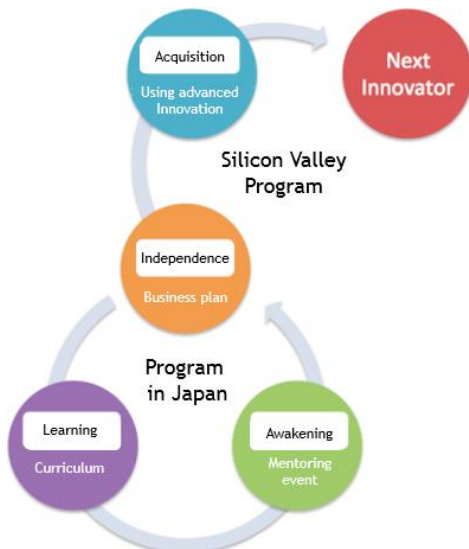
In the context of global competition on new business models, generated by the development of such new technologies as IoT, big data and artificial intelligence, vitalize activities of innovative ventures is extremely important for Japan to achieve a sustainable growth. Japan is aiming at enhancing attractiveness as an international hub for innovation, by building direct networks with global venture ecosystems in the world and by organizing a global venture summit in Tokyo in 2020.

2020

Global Venture Summit
(in Tokyo in 2020)

Human resources development

Dispatch entrepreneurs and venture capitalists etc. to Silicon Valley through bridging projects between Silicon Valley and Japan



Events

Participate in international matching events such as SLUSH and SXSW etc. and make a linkage with the initiatives of Japan



【SLUSH@Finland】



【SLUSH ASIA@Tokyo】

【SXSW@U.S.】

Policy dialogues

Collaboration between governments through dialogues with other governments or ventures



【Visit of Prime Minister to Silicon Valley in May 2015】