Issues faced by region

- ✓ Failure to communicate the level of attractiveness of the region enough to overcome regional competition and attract customers
- ✓ Need to be innovative in how to showcase tourist facilities in the target area
- ✓ Hope to bring back the drop in consumption caused by COVID-19 and revitalize the economy

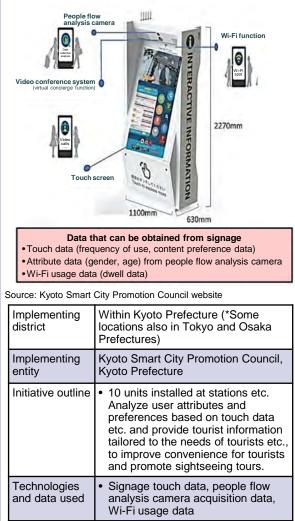
Ilustration of Future Realized by Smart Cities: Infrastructure Tourism / Regional Revitalization

- Visualize and guide information about destinations and transportation to enhance the sightseeing experience.
- O The goal is to make information about tourism and the region easier to understand, more accessible and more attractive.
- Encourage increased consumption through the creation of new services using ICT etc., while taking into account tourism styles that respond to the New Normal.



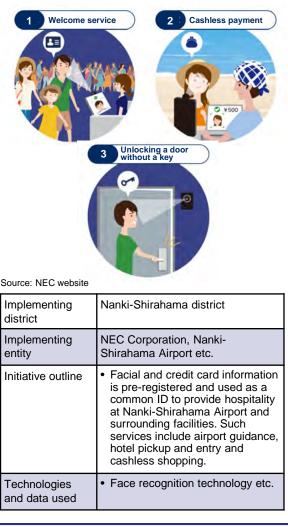
Dissemination of tourism information through digital signage (Kyoto Prefecture)

Provide tourist information at stations etc. and collect and analyze visitor information



Hands-free sightseeing with facial recognition (Nanki-Shirahama)

Facial recognition enables hospitality services at airports, hotels, restaurants, theme parks etc. and hand-held payment



Congestion information dissemination service for facilities such as stores etc. (VACAN)

Real-time delivery of information on 'availability' and 'congestion' of stores and facilities on PC and smartphone maps



Source: VACAN website

Implementing district	Domestic, Taiwan and China
Implementing entity	VACAN
Initiative outline	 VACAN AIS / Throne automatically detects and analyzes congestion in facilities and restrooms using cameras, sensors and other devices and AI, and displays the information on signage and special web pages. VACAN Maps delivers real-time information on 'availability and congestion' of stores and facilities on PC and smartphone maps.
Technologies and data used	 Button type IoT device Cameras / sensors AI etc.

Promotion of cashless shopping in the community (Okaya City)

Digitize all payment services related to the community together, leading to a cashless society and community revitalization.



Source : https://www.toppan.co.jp/news/2020/09/ newsrelease_200915_2.html

Implementing district	Okaya City, Nagano Prefecture
Implementing entity	Toppan Printing Co., Okaya Chamber of Commerce and Industry
Initiative outline	 Integrate local e-money, shopping points and municipal points on a single card by adopting the Toppan Printing 'ChiikiPay®' system as the basic system for the local e-money 'OkayaPay'.
Technologies and data used	 Cashless payment services, payment platforms

Advanced data sharing platform (Shizuoka Prefecture)

Aim to create a high value-added and efficiently profitable tourism region through the use and analysis of data collected by cities and towns and cross-sectional data from various fields such as room nights, demand forecasts, V-RESAS etc.

Advanced data sharing platform Provide diverse data based on a tourism forecasting platform

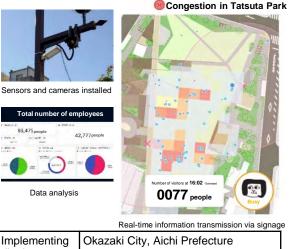


Source : https://kankouyohou.com/

Implementing district	35 cities and towns in Shizuoka Prefecture
Implementing entity	Shizuoka Prefecture Large-Scale Tourism Campaign Promotion Council, JTB Shizuoka Branch, JTB Research Institute, Inc.
Initiative outline	 Build a data sharing platform by utilizing lodging data, lodging demand forecasts and local people flow data. Based on cross-analysis by clientele and accommodation demand forecasting, aim to understand the strengths and weaknesses of the region, develop efficient, high value-added products for the region as a whole and create a profitable tourism region
Technologies and data used	 Nationwide accommodation data Data effective for 'tourism' (e.g., people flow data) Regional collection data etc.

Dense control during events (Okazaki City)

Disseminate real-time congestion information using people flow data, estimating risk areas for crowd accidents and utilize the information for safe event management.



district	Okazaki City, Alchi Prelecture
Implementing entity	Okazaki Smart Community Promotion Council
Initiative outline	 The people flow data obtained by 3D-LiDAR is displayed on signage in the venue in real time, guiding participants' behavior so that they can enjoy the event by avoiding dense traffic. Visualize the location and time of congestion at fireworks displays, analyze the risk locations and causes of crowd accidents, and use this information for security planning and other purposes.
Technologies and data used	Cameras / sensors (3D-LiDAR)People flow data etc.

Issues faced by region

- ✓ Increased lifestyle-related illnesses and reduced medical costs
- Increased burden of medical facility visits among residents of mountainous areas and the elderly
- ✓ Identifying the health status of the increasing number of elderly living alone and children in dual-income households

Illustration of Future Realized by Smart Cities: Health / Medical Care

- Support citizens in managing their health, by promoting appropriate exercise using data on personal mobility and health.
- O Ensure access to medical care from remote locations and reduce the burden on medical personnel.
- O Introduce a system to look after the health of family members who are away from home.





Access to medical care from remote areas etc.



Encourage walking with health points (Sapporo City)

Awarding 'health and happiness points' that can be used for public transportation etc., according to the number of steps taken, to promote walking and use of public transportation etc.



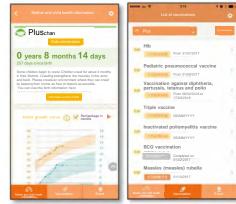
Acquire health related data

- Body composition (Weight and body fat percentage)
- Questionnaire on health awareness
- Results of specific health checkups

Implementing district	Within Sapporo City
Implementing entity	Smart Wellness City Council
Initiative outline	 Encourage behavioral change by awarding 'health points' that can be used for public transportation etc., in proportion to the number of steps taken In addition, analyze behavioral data (number of steps, location information) and people flow data, and reflect the results in the development of a seamless and walkable space plan for urban planning.
Technologies and data used	Sensors, GPS dataHealth-related data etc.

Digitalization of a maternity passbook (Aizuwakamatsu City)

In addition to checking records of infant health checkups and vaccinations received in the city via smartphone, the system also delivers information on child rearing from the city

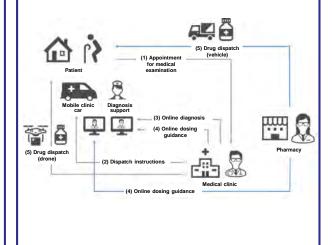


Source: Aizu Wakamatsu City website

Implementing district	Aizuwakamatsu City
Implementing entity	Aizu Wakamatsu City Health Promotion Division
Initiative outline	• Establish a maternal and child health information portal using the public personal authentication function of the My Number Card to efficiently realize a secure and convenient environment for maternal and child health and child raising.
Technologies and data used	 Health checkup data Secure DB (secure database for storing personal information) Data linkage platform etc.

Haruno Medical MaaS Project (Hamamatsu City)

Provide online medical services using a mobile clinic vehicle to secure medical services in mountainous areas



Implementing district	Haruno District, Tenryu-ku, Hamamatsu City
Implementing entity	Hamamatsu City, Hamamatsu Mobility Service Promotion Consortium, Ban Shu Medical Association, Ozawa Clinic, MONET Technologies Inc., etc.
Initiative outline	 Online medical care using a mobile clinic vehicle Online dosing guidance using a mobile clinic vehicle Drug delivery by drone or vehicle
Technologies and data used	 Online medical care / online medication counseling (over- the-counter tablet terminal) Self-flying drones etc.

Issues faced by region

✓ Reduction of crime and accidents

- Reduce the burden on parents in childcare and nursing care
- ✓ Reduce the burden on childcare and nursing care professionals



Illustration of Future Realized by Smart Cities: Security / Monitoring

- Install security cameras and analyze incident information to optimize crime prevention and response.
- Help prevent and deal with accidents and incidents by ensuring that parents have timely information about their protected persons.
- Improve the working environment by reducing the burden on parents and those involved in childcare and nursing care, and improve the level of services.



Future Realized by Smart Cities: Security function / Monitoring examples

Monitoring service using IoT devices (Kakogawa City)

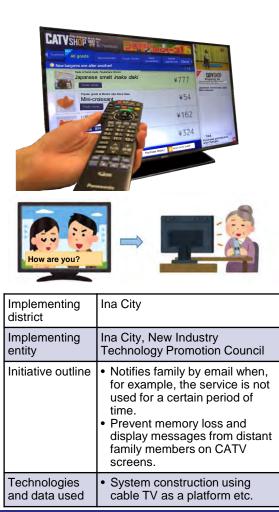
Provide location information of children or elderly people to their families by using cameras and detectors installed in official vehicles etc.



Implementing district	Within Kakogawa City
Implementing entity	Kakogawa City
Initiative outline	• When a child with a BLE (beacon) tag or a senior citizen who may lose his or her way due to dementia passes by the detector, family members can check records of their passage via an app or other means.
Technologies and data used	BLE tags, sensors etc.

CATV-based monitoring service for the elderly (Ina City)

Provide services such as safety confirmation and message display by using a familiar cable TV and remote control as an interface, even for the elderly



Watch-over service using transportation system IC cards (JR East etc.)

When a child passes through an automatic ticket gate at a station using Suica or PASMO, the time of passage, station used etc. are notified to the parent or guardian

the coverage area w Transportation and To	tion to 246 stations in East Japan Railway. Will be expanded to all 496 stations including Toei Ayoo Metro stations from 1 April, 2020 (Wednesday). and ticket gates are not included in the program (click here for details).	
JR East JR East Source : https://www	,,	1
Implementing district	Stations of JR East, Toei Transportation and Tokyo Metro	
Implementing entity	JR East, Toei Transportation, Tokyo Metro and Central Security Service System operation and construction: JR East Mechatronics	
Initiative outline	 Service that informs parents / guardians of transit times, stations used and remaining charge amount (Mamorail). 550 yen/month (tax included) / register 1 child and 1 notification address. Expanded eligibility to include seniors (65 and older) and persons with disabilities (19 and older). 	
Technologies and data used	Traffic IC card data etc.	ŀ

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