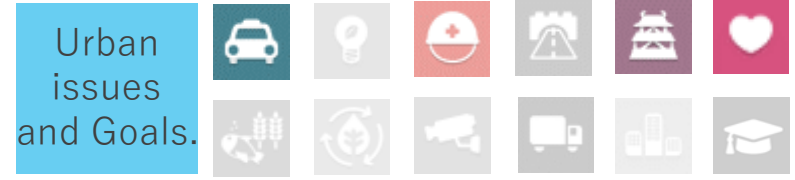


Smart City promotion project in Takamatsu city.



Project Area	Takamatsu City, Kagawa Prefecture
Project Organization	Smart City Takamatsu Promotion Council



Project area goals, features and issues. (Smart city image)

I. Takamatsu City Overview

Takamatsu City is the prefectural capital of Kagawa Prefecture in Shikoku. It is a core city with a population of about 420,000 and an area of about 376km². It is a city with a wealthy living place where water and green are in harmony with urban functions. Our city borders the Seto Inland Sea, known as the "jewel of the world."

II. Main issues to be addressed by cities and goals of smart city projects

Takamatsu City is aiming to be a state-of-the-art smart city that continues to grow sustainably in the "population decline" and "declining birthrate / super-aging society" in order to achieve the following goals.

The realization of "Smart City Takamatsu", which continues to grow sustainably, will utilize data using ICT and collaborate with various industry-academia-private governments in order to solve many problems in townships.

Takamatsu City will realize a virtuous cycle of "Utilize data using ICT to actively promote reform of administrative management", "Maximize the efficiency of cost burden while maintaining existing administrative services", "Use the surplus assets (budget, personnel, etc.) obtained from the effect" and "Invest to solve new problems" for ideal town development.

In addition, various project performers will create new services by coordinating efforts that utilize their advanced ICT.

It solves complex and sophisticated regional issues.



◇ It will challenge to solve problems in cities and townships by utilizing technology and data.

○Project overview

Takamatsu City is utilizing the IoT common platform (FIWARE) built by the Ministry of Internal Affairs and Communications subsidized project in 2017 in order to realize "Smart City Takamatsu" that solves regional issues by utilizing data.

Since February 2018, we have been promoting efforts to solve regional issues by utilizing data in the fields of disaster prevention and tourism. In October 2017, industry, academia and civilian government participated in the establishment of the "Smart City Takamatsu Promotion Council" as a promotion system.

It is that council members share regional issues in field-specific working groups.

And in order to carry out various efforts, data is shared across fields on the IoT common platform.

○Case studies of each department.

In the disaster prevention department, water level and tide level sensors are installed at 13 observation points shown in the Takamatsu City Flood Control Plan, and data is collected and analyzed in real time to utilize it for disaster response.

The tourism department collects usage data using GPS loggers installed on bicycle rentals operated in the city. In Particular, it analyzes the behavior patterns of foreign tourists.

Every year, Takamatsu City is expanding its efforts in the welfare department, traffic safety department, town development department, human resources development department, project reform department, digital divide countermeasure department, etc.

○Wide area cooperation

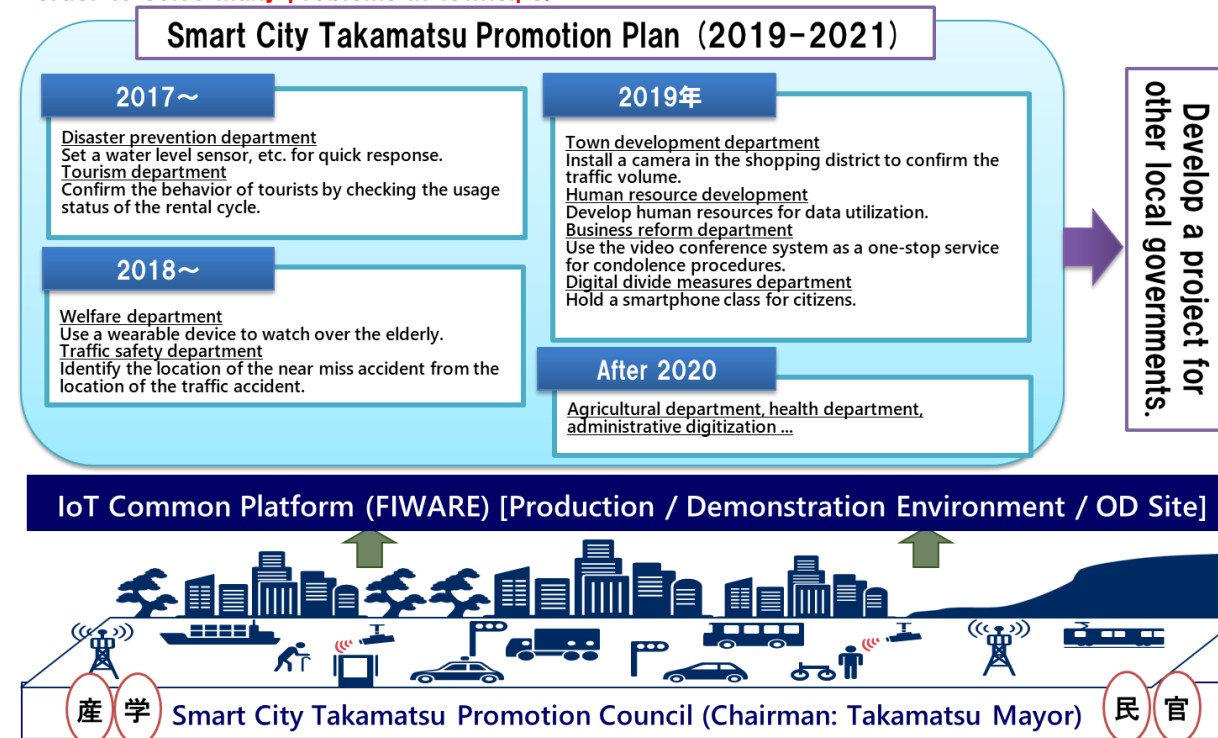
In March 2020, we signed an agreement with Ayagawa Town and Kanonji City, which belong to the Seto-Takamatsu Wide Area Cooperation Central Metropolitan Area, in order to share the "we have developed the IoT common platform".

Since 2020, the disaster prevention department has been collecting data such as water level and tide level data and weather and road closure information in Takamatsu City, Ayagawa Town and Kanonji City, which are necessary for disaster prevention and mitigation. These data are displayed centrally on the IoT common platform in Takamatsu City in the event of a disaster, and efforts have begun to share information over a wide area and promptly.

Promote the "Smart City Takamatsu" project.



The realization of "Smart City Takamatsu", which continues to grow sustainably, will utilize data using ICT and collaborate with various industry-academia-private governments in order to solve many problems in townships.



Overall overview of the "Smart City Takamatsu" project

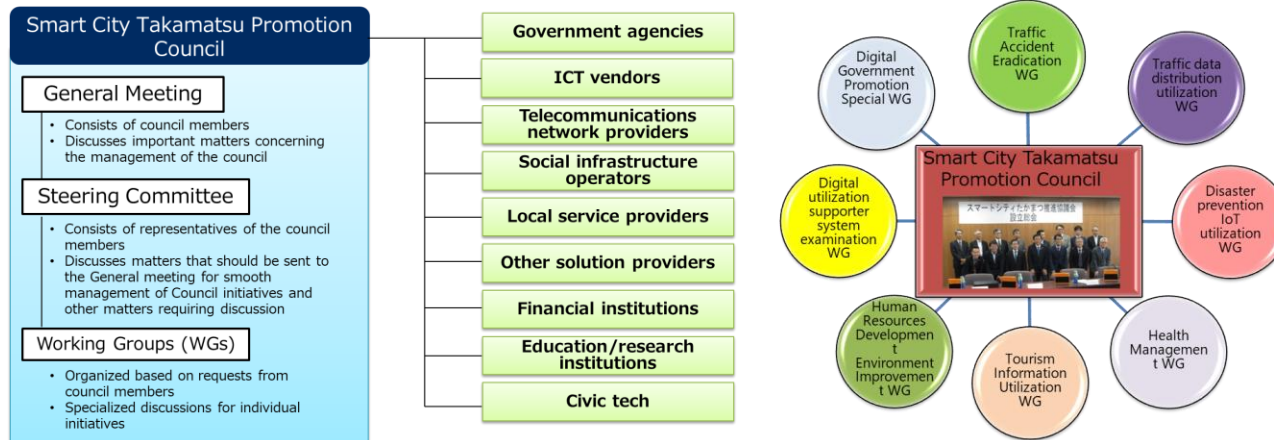
◇ Implementing organization

Smart City Takamatsu Promotion Council

In October 2017, we established the Smart City Takamatsu Promotion Council (Chairman: Takamatsu Mayor). This council has many industry-academia-private-government stakeholders participating and collaborating to collect and analyze public-private data by utilizing the IoT common platform in order to solve problems in the region. (Number of members: 126 as of October 2021)

This council has a working group (WG) for each department. Industry-academia-government-government is working on "organization of issues" and "demonstration projects" in order to put it into practical use in society.

In addition, the council aims to be a citizen-participatory smart city. It is engaged in public awareness activities such as holding symposiums and human resource development courses for citizens.



◇ Project Timeline

Smart City Takamatsu Promotion Plan

Takamatsu City formulated the "Smart City Takamatsu Promotion Plan (planning period: 2019-2021)" in March 2019 as a comprehensive guideline for ICT measures. "Smart City Takamatsu" is working on the realization of various ICT measures by promoting various ICT measures based on this plan.



The end period of this plan is 2021. Therefore, we plan to formulate the "Next Smart City Takamatsu Promotion Plan (tentative name)" in consideration of changes in the environment surrounding Takamatsu City. It will continue to work toward the realization of "smart city Takamatsu".

◇ Others (Awards, selection for smart city projects promoted by the government, etc.)

[Awards] Awarded by the Minister of Internal Affairs and Communications during "Information and Communication Month" in 2021.

Awards Reason for award: "Smart City Takamatsu" was evaluated as that has made a great contribution to the start of joint use of the data linkage platform between the two neighboring municipalities and the disaster prevention department and the centralized management of disaster prevention related information by data linkage in order to promote the spread of smart cities.

[Subsidy project / demonstration project]* Including those entrusted by the Smart City Takamatsu Promotion Council

Ministry of Internal Affairs and Communications "Data Utilization Smart City Promotion Project" (2017)

Ministry of Internal Affairs and Communications "IoT Service Creation Support Project" (2018)

Ministry of Internal Affairs and Communications "Regional IoT Implementation Promotion Project" (2018)

Ministry of Internal Affairs and Communications "Contract for research and research that contributes to solving problems in the transportation field in the region using open data" (2018)

Ministry of Internal Affairs and Communications "Digital Utilization Supporter Promotion Project" (2020) Ministry of Land, Infrastructure, Transport and Tourism "Smart Island Promotion Demonstration Survey" (2021)