

[MIRAIT-X Corporation / Energy Gateway, Inc.]**Start of Provision of “Lifestyle monitoring support based on home appliance information” in the “Maebashi Living Tech Promotion Project”**

Providing application service for “monitoring wellbeing through visualization of power usage of each household appliance” and “providing push notifications for disaster prevention and crime prevention information from the local government” simply by installing a single power sensor in the home

MIRAIT-X Corporation (head office: Koto-ku, Tokyo; President: Takao Yamaguchi; “MIRAIT-X”), which is a Group company of Major telecommunications construction company MIRAIT ONE Corporation, and Energy Gateway, Inc. (head office: Minato-ku, Tokyo; Representative Director and President: Masamitsu Sakai; “Energy Gateway”) have started providing the “Lifestyle monitoring support based on home appliance information” service as a “Maebashi Living Tech Promotion Project (project selected a for a type 3 city grant under the Vision for a Digital Garden City National Concept Promotion)” being promoted by Maebashi City.

The service is an application service for “monitoring wellbeing through visualization of power usage of each household appliance” and “providing push notifications for disaster prevention and crime prevention information from the local government” simply by installing a single power sensor in the home. MIRAIT-X installs power sensors on distribution panels in homes, and Energy Gateway engages in business analyzing and creating value from collected power data. Based on the recent acceleration of the super-aging society and needs for regional monitoring of wellbeing, the existing power visualization service has been combined with a new service within the “Maebashi Living Tech Promotion Project” to start provision of a new regional wellbeing monitoring service.

Maebashi City in Gunma Prefecture has built a variety of services by implementing the “Maebashi Living Tech Promotion Project” due to being selected as a grant funded project under the Vision for a Digital Garden City National Concept Promotion being promoted by the Cabinet Office. The aim is for the various services to resolve the issues faced in the region, and realize a cooperative future city developed by citizens in which each person can be happy.

Please see the Maebashi City website for details.

[Maebashi City website]

<https://www.city.maebashi.gunma.jp/soshiki/seisaku/mirainomesozo/gyomu/6/34736.html>

Furthermore, as the total population of Japan currently shrinks, the number of elderly reached the highest level on record at 36.21 million, accounting for 28.9% of the total population in 2022, also the highest level on record. Looking ahead, this is forecast to reach 30.0% in 2025 and 35.3% in 2040, and the super-aging society progresses. By 2040, 1.5 people of productive age will be supporting each elderly person, and the workforce supporting the elderly is becoming an issue for Japanese society as a whole (*1). Maebashi City is also promoting the creation of a community where the elderly living in the region can always live in safety and with peace of mind, and has aimed to create regional wellbeing monitoring utilizing IoT in the “Maebashi Living Tech Promotion Project”.

MIRAIT-X will handle sales to consumers, installation of power sensors and customer support, promoting the creation of a framework in which customers can use the service with peace of mind. Meanwhile, Energy Gateway will contribute to the creation of a community where the elderly and the family living in the region can always live in safety and with peace of mind through the provision of a regional wellbeing monitoring service utilizing home power data. In addition, the company will also promote the development of new services through analysis, etc. of the collected power data, with the aim of realizing more convenient services for customers.

Through the above efforts, the two companies will contribute to the creation of a community where the elderly living in the region can always live in safety and with peace of mind through the provision of a regional wellbeing monitoring service utilizing home power data.

* The Cabinet Office’s “Annual Report on the Ageing Society: 2022” (<https://www8.cao.go.jp/kourei/whitepaper/in dex-w.html>) is used as a reference for figures on the elderly population.

The details of the service are as shown in the Attachment.

<About MIRAIT ONE Corporation>

MIRAIT ONE Corporation was launched on July 1, 2022 through the integration of MIRAIT Holdings Corporation, MIRAIT Corporation, and MIRAIT Technologies Corporation. MIRAIT ONE has established “co-creating an exciting future through challenges and technology” as its purpose (significance of existence), and is engaged in the resolution of issues faced by customers and society and regional revitalization by promoting initiatives such as urban development and regional development, corporate DX and GX, green business and global business based on the technical capability cultivated until now in telecommunications facility construction and the civil engineering business.

<About MIRAIT X Corporation>

Address: 4F, Premier Toyochō Building, 3-23-21 Toyo, Koto-ku, Tokyo

Representative: Takao Yamaguchi, Representative Director and President

Businesses: Sale, design, construction and maintenance of solar power equipment and battery systems; sale, installation & configuration, maintenance and provision of help desk services for information and communications equipment, robots and software, etc.

Established: April 1, 2003

URL: <https://www.mirait-x.co.jp/>

<About Energy Gateway, Inc. >

Address: 3-1-11 Shinbashi, Minato-ku, Tokyo

Representative: Masamitsu Sakai, Representative Director and President

Businesses: Provision of IoT platform services (sale of various sensors, system planning and development, information processing and provision services, etc.)

Established: February 15, 2018

URL : <https://www.energy-gateway.co.jp/>

Attachment

Details of the Service

1. Monitoring the wellbeing of family members through visualization of the amount of power used by each household appliance

This is a wellbeing monitoring service that uses AI technology to estimate the power usage of major household appliances (*2) by installing a single power sensor in order to send notifications to family members when something is different than usual, such as when a household appliance used on an everyday basis is not used. Even without the person being monitored doing anything special, it is possible to communicate the status of their lifestyle to family members monitoring them. (*2. The household appliances covered are up to ten major appliances: refrigerators, standby power (including household appliances always consuming power), air conditioners, rice cookers, microwave ovens, washing machines, high-temperature household appliances (heaters, dryers, kettles, etc.), televisions, induction stoves)

2. Push notification of disaster prevention and crime prevention information from the local government

Notifications are provided for disaster prevention, crime prevention and welfare information from Maebashi City. The information can be viewed in real time on a smartphone.

3. Support for energy saving and power saving

It is not only possible to see the power charges for each household appliance, but also track trends in power usage by comparing with similar households. For example, if it is found that power usage by air conditioners is more than similar households, this enables noticing specific behavior that contributes to energy saving such as changing thermostat settings.