For Immediate Release

IIJ to Begin Offering the IIJ Sensing Data Management Service to Support the Business Use of Sensing Data

-- A comprehensive service that includes everything from sensor devices to networks and web applications for data utilization --

TOKYO – July 22, 2025 - Internet Initiative Japan Inc. (TSE Prime: 3774), one of Japan's leading Internet access and comprehensive network solutions providers, today announced that IIJ will begin offering the IIJ Sensing Data Management Service starting on July 23, 2025, which provides supports for upgrading business operations and making quality improvements related to the use of sensing data.(*1)

The IIJ Sensing Data Management Service is a comprehensive service inspired by the concept of making the process from *measuring* sensing data to *using* it simpler. It encompasses everything from sensor devices that measure on-site environments and events to cloud services that store, visualize, and utilize data as well as mobile networks and wireless network environments for connecting sensors and gateway devices to the cloud. This service allows customers to shift toward automated measurement and cloud-based data management from performing visual checks of conventional analog measuring instruments and data loggers and manually inputting the readings into paper logs. This can improve the efficiency of customers' management operations, enabling them to improve their business operations and implement quality improvements related to the use of sensing data.

This service is focused on IIJ's lineup of sensor devices for temperature control applications for the food industry, logistics, and commercial sales of food and pharmaceuticals in particular, as well as for safety control in the construction industry that relies on environmental measurements.

IIJ has been focusing on LoRaWAN®(*2), a wireless networking method that offers long-distance communication combined with low power consumption and can be freely used without a license. By combining this technology with various sensors, it can digitalize the sensor readings taken of on-site environments and events in a variety of fields, including agriculture, manufacturing, food processing, distribution, and construction.

Sensor data digitalization has required the development of custom solutions based on the specific requirements of each company. However, the new service makes use of that knowledge to provide the functionality needed for the digitalization of sensing data as a service, which reduces the time and costs involved in defining requirements and developing a system for digitalization, thereby encouraging IIJ's customers to make use of their data.

(*1) Sensing data is digitalized data collected through the measurement of various environments and events with the use of sensor devices (measuring instruments).
(*2) LoRaWAN® is a wireless communication technology characterized by long-distance communication capabilities combined with low power consumption that is ideal for IoT and M2M. It can be freely used by anyone because it uses a frequency band that does not require a license.

■ Service overview
This service is a cloud service for managing and operating sensor devices in order to utilize sensing data. It provides the various functions needed for customers to use sensing data for business purposes, which include

viewing the collected data via a Web console, setting alerts that occur on the basis of threshold values and remaining battery capacity, outputting reports based on the collected data, and setting permissions for viewing sensing data. The characteristics of this service are described below.

Functionality and a sensor lineup that are tailored for different industrial fields and operations
This service drives business process improvements, operational efficiency, and labor savings for companies by providing functions and a lineup of compatible sensors which are tailored to various cases across different industries and business operations. The service is particularly well-suited for the following industrial fields and operations.

- Food processing / logistics / retail: Temperature management for products, including food and pharmaceuticals
- Construction: Safety management and operational management of construction equipment for the purposes of heat stroke prevention and other safety measures based on environmental measurements related to WBGT, (*3) rainfall, and other factors.

    (*3)WBGT (wet-bulb globe temperature) is a heat index that evaluates heat stress caused by a high-temperature environment. It is calculated from the dry-bulb temperature, natural wet-bulb temperature, and black-bulb temperature. It is used as an indicator for preventing heat stroke.

A comprehensive service with all necessary functionality
IIJ is a comprehensive source for all elements needed to use the data collected from sensors for business purposes, from various sensor devices and network connectivity to Web applications. Because it provides sensors and gateway devices that are configured in advance, customers can begin collecting sensing data simply by installing the sensor devices and operating the easy-to-use Web console.

This service can also be rebranded for resale and provision by distributors. In order to allow distributors to deploy the system to end users, the Web console is divided into a two-tier structure—one for users who view the data and one for administrators.

■ The Web console
This service includes a Web console with functionality that includes registering and configuring sensors, viewing the data collected, issuing alerts based on threshold values and remaining battery capacity, generating reports based on collected data, and setting permissions for viewing sensing data.
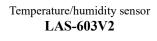
■ Service composition
This service consists of three components: a cloud-based Web application that allows businesses to use sensing data, devices that collect sensing data, and LTE lines that provide a means of communication between gateway devices and the cloud.

Products	Description
LoRaWAN®-based service	This product uses LoRaWAN® for communication. It provides a Web application that is equipped with the various functions needed in order for businesses to use sensing data.
Device sales	IIJ sells the sensor devices and gateway devices needed in order for customers to collect sensing data.
IIJ mobile service	IIJ provides LTE lines as a means of communication between gateway devices and IIJ Sensing Data Management Service.

■ Compatible sensor devices
IIJ's lineup of sensor devices is tailored for safety management based on temperature control and environmental monitoring of WBGT, rainfall, and other factors. More sensor devices will be added to the company's lineup as needed.

Temperature sensor **LAS-603**	Temperature/humidity sensor **LAS-603V2**	Temperature sensor **LAS-604V2**	Splash-proof temperature/humidity sensor with radiation shield **NLS-LW02-41（RS）**

Rainfall sensor **NLS-LW02-48**	Alternating current sensor **NLS-LW02-49-CV****	Small WGBT transmitter **TC-793-D1-LW-X-57**	LoRaWAN® measurement device **LZ-01V2**

■ Fee

　All Quoted per case

➢　For more information about this service, please visit IIJ's Website below.
　　https://www.iij.ad.jp/biz/sdms/ (only in Japanese language)

IIJ will continue to expand the functionality of the IIJ Sensing Data Management Service in order to improve its customers' business operations and implement quality improvements related to the use of sensing data.

About IIJ

Founded in 1992, IIJ is one of Japan's leading Internet-access and comprehensive network solutions providers. IIJ and its group companies provide total network solutions that mainly cater to high-end corporate customers. IIJ's services include high-quality Internet connectivity services, systems integration, cloud computing services, security services and mobile services. Moreover, IIJ has built one of the largest Internet backbone networks in Japan that is connected to the United States, the United Kingdom and Asia. IIJ was listed on the Prime Market of the Tokyo Stock Exchange in 2022. For more information about IIJ, visit the official website: https://www.iij.ad.jp/en/.

The statements within this release contain forward-looking statements about our future plans that involve risk and uncertainty. These statements may differ materially from actual future events or results.

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