

Digital Systems & Services

IT Services

May 28, 2026

Digital

1. Updated Lineup of Containerized Data Centers

Hitachi Systems, Ltd. has launched an updated lineup of containerized data centers that comprise three standard models for different applications^{*1}. Able to be set up more quickly and at lower cost than conventional data centers, containerized data centers feature ease of upgrading and relocation. Offering three standard models allows for efficient data center installation that can be tailored to specific needs and applications, facilitating the rapid deployment by customers of generative artificial intelligence (AI) and other capabilities that expand their business.

The three standard models are as follows:

- (1) High-load server model for generative AI
- (2) Server room model for special-purpose configurations such as those for keeping confidential information in-house
- (3) Edge computing model for telecom base stations

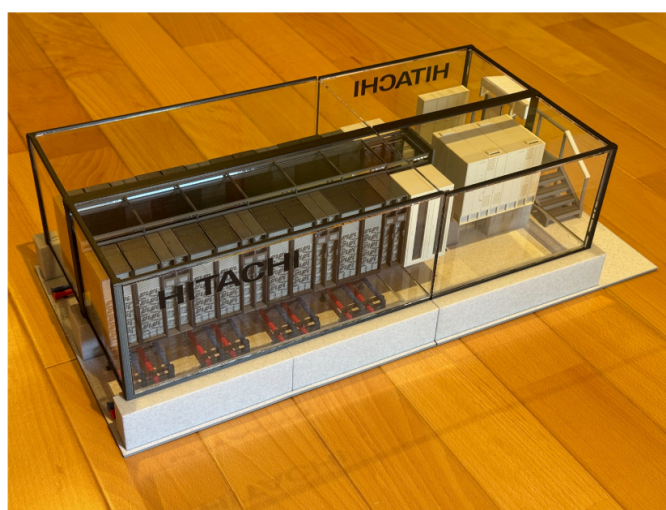
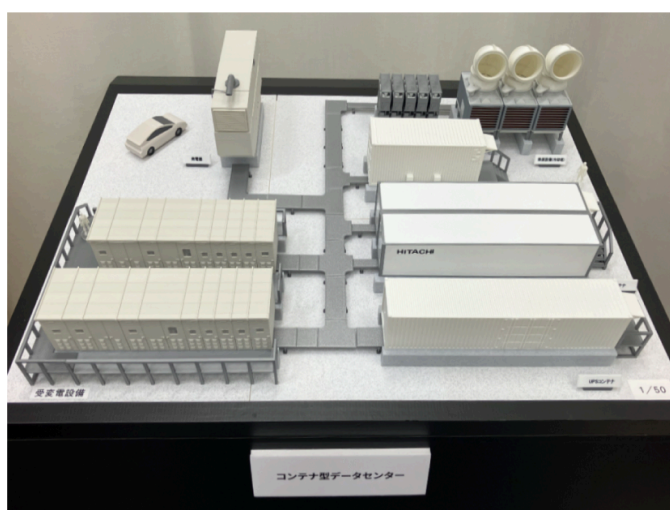
Hitachi Systems, Ltd. is seeking to increase sales of containerized data centers, having set a cumulative sales target of 10 billion yen by FY2027. It also offers a total package for containerized data centers that leverages its Hitachi Systems Managed Services suite

and a network of maintenance personnel stationed at around 300 different sites across Japan. This includes security monitoring, operations, and post-installation support. Hitachi Systems, Ltd. is also contributing to progress toward a sustainable society and helping customers expedite their digital transformation (DX) by accelerating a One Hitachi initiative for green data centers that involves collaboration between Hitachi Systems, Ltd and Hitachi, Ltd.

(Launch date: May 2025)

(Hitachi Systems, Ltd.)

*1. Containerized data centers from Hitachi Systems, Ltd. are only available in Japan.



[1] Three-dimensional (3D) Mockups of High-load Server Model for Generative AI (left) and IT Equipment Container (right)

2. AI Assistant with Domain Knowledge for Improving Productivity of Frontline Workers

Hitachi Systems, Ltd. has launched an AI assistant service that combines generative AI with domain knowledge from fields such as the public sector, finance, industry, and distribution to automate industry-specific tasks. The service helps to improve the productivity of frontline workers.

The first of these is an AI assistant for manufacturing. The service utilizes the Microsoft Azure AI Foundry Agent Service* and combines generative AI with in-house data to boost the efficiency of tasks specific to the manufacturing industry, such as performing quality checks on design drawings or reviewing past near-miss incidents. Benefits include boosting the productivity of frontline production workers, skills transfer, and industrial accident prevention.

A second AI assistant for sales has already been released. Plans are also in place to expand the range to cover areas such as healthcare and project support, with a target of 10 billion yen in AI assistant sales in FY2027.

[Launch dates: August 2025 (AI assistant for manufacturing), October 2025 (AI assistant for sales)]

(Hitachi Systems, Ltd.)

* See the list of “Trademarks.” [🔗](#)

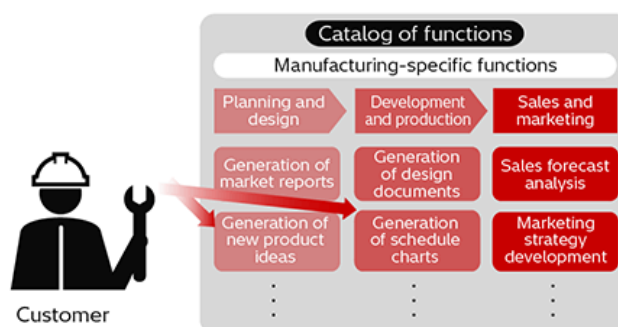
In addition to early functions available immediately after installation, the service also provides **the flexibility to develop or select** functions being used within Hitachi Group **based on customer circumstances**.

Standard functions in AI assistant for manufacturing



- A wide range of functions are available immediately after installation, including chat, document search, minute taking, and e-mail composition.
- Screens designed for ease-of-use, including checkbox selection and ready-to-use prompts.

Choice of functions based on customer circumstances



- A wide range of functions are available, with users able to choose those relevant to their business challenges and tune them to suit their specific needs.
- Functions can be provided that are tailored to customer circumstances.

[2] Features of AI Assistant for Manufacturing

3. DX Service for Forestry Surveying Using Drones and AI Analytics Software

Hitachi Systems, Ltd. has launched a DX service for forestry surveys that is able to identify the species, size (height, diameter at breast height, and trunk volume)^{*1}, and carbon fixation quantity^{*2} of individual trees. The service uses drones and AI analytics software to conduct surveys that are faster, safer, and cheaper than would be possible with a manual survey, thereby helping to overcome the labor shortages and other challenges faced by Japan’s local authorities, forest owners' cooperatives, and other organizations engaged in forest management. The information acquired by the service assists both with the long-term planning of forest management and with estimating the quantity of carbon credits that the forest will generate.

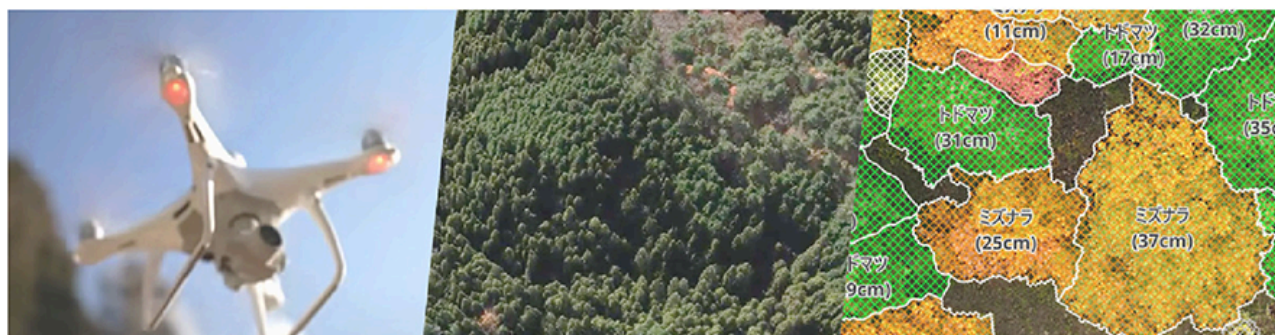
Utilizing a nationwide network of around 300 sites, the service is provided to companies and other groups throughout Japan, primarily organizations engaged in protecting the forests that represent a key asset for local communities and the global environment. In addition to making the service available overseas, Hitachi is also stepping up its engagement with regional revitalization and nature-positive activities by expanding the service to include comprehensive support for carbon credits, encompassing both their creation and trading.

(Launch date: March 2025)

(Hitachi Systems, Ltd.)

*1. The height of the tree, the diameter of the trunk at breast height (DBH), and the volume of wood in the trunk.

*2. The amount of carbon dioxide absorbed and sequestered by the growth of the tree.



Drone flight

Generation of data for analysis

AI analytics

[3] Sequence of Operation for DX Service for Forestry Surveys

4. Support Service for Transition to Post-quantum Cryptography

Given the imminent prospect of practical quantum computers, there is a growing risk that this technology will enable the rapid decoding of conventional public key encryption. As public key encryption techniques such as Rivest-Shamir-Adleman (RSA) are widely used for purposes such as protecting Internet communications and verifying identification cards, this calls for action by all companies that operate IT systems. In Japan, the Financial Services Agency issued a request in May 2025 urging deposit-taking institutions to make a rapid switch to post-quantum cryptography.

However, given that public key encryption is used widely in IT systems, making the transition calls for knowledge of both cryptography and its applications.

In response, Hitachi Solutions, Ltd. launched a support service for the transition to post-quantum cryptography in October 2025. The service provides one-stop support that includes reviewing systems on the customer's behalf to collate a cryptography inventory (a list of where encryption is used), assessing the risks and vulnerability to quantum computer attack, and formulating a transition plan.

(Hitachi Solutions, Ltd.)



[4] Overview of Support Service for Transition to Post-quantum Cryptography

5. Real-time Analysis Solution Package Using Image Recognition AI

With work-related injuries on the rise over recent years, safety measures are vital for the preservation of human life. Moreover, when a work-related injury does occur, there is also the potential for routine work to be impeded as the response to the accident takes priority. While workplaces have rules in place for things like following operating procedures and performing inspections, it is recognized that vehicle collisions frequently occur due to a failure to abide by these rules, especially in locations where the hazard potential is high.

Hitachi's real-time analysis solution package detects dangerous actions in real time and issues warnings, including for unsafe close encounters between workers and forklifts, failure to stop when required, and entry to restricted areas. This can prevent accidents in the workplace and provides incident video and detection statistics that can be used for the analysis of unsafe behaviors and to raise the level of safety awareness among workers.

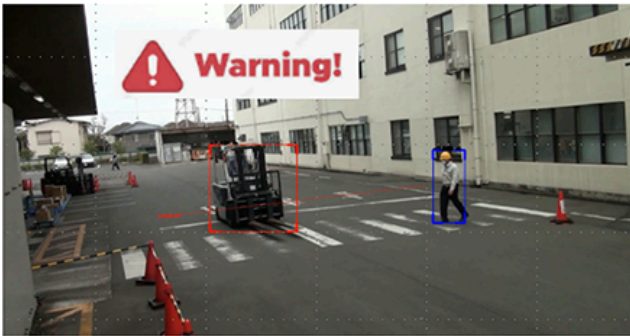
The real-time analysis solution package has the following features.

(1) Real-time warnings are issued in response to dangerous actions such as close encounters between workers and forklifts, failure to stop when required, or entry to restricted areas.

(2) Available for immediate deployment without additional training, having been pretrained about forklifts and people. Additional training can also be performed to expand the detection scope.

(3) The ability to obtain distance measurements using a single-lens camera provides accurate detection of dangerous actions at low cost.

In addition to preventing accidents by issuing warnings in real time, installation of the solution also allows for the use of incident video and detection logs to identify dangerous activity hotspots and assess how risks vary with the time-of-day or day-of-week. Incident video is also available for use in safety training and other forms of safety-related worker education.



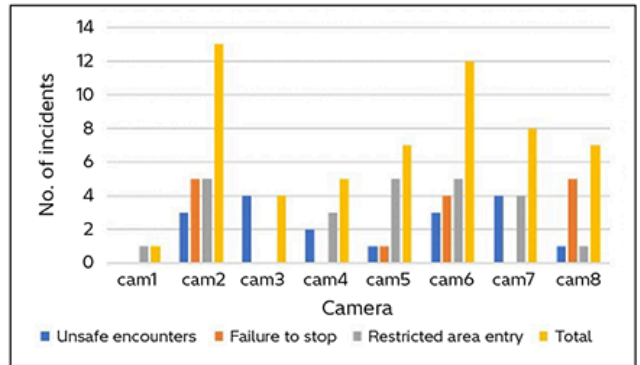
Detection of unsafe close encounter



Detection of failure to stop when required



Detection of entry to restricted area



Analysis of hazard locations

[5] Example Application of Real-time Analysis Solution Package