News Release
For Immediate Release

HITACHI

# Hitachi Commences the On-Site Application of an AI-Based Safety Solution for Engineers in the Field - Dangerous Location Notification

Hitachi's digital service, HMAX for Buildings: BuilMirai, which embodies Lumada 3.0, drives innovation by improving work efficiency and enhancing safety in the field

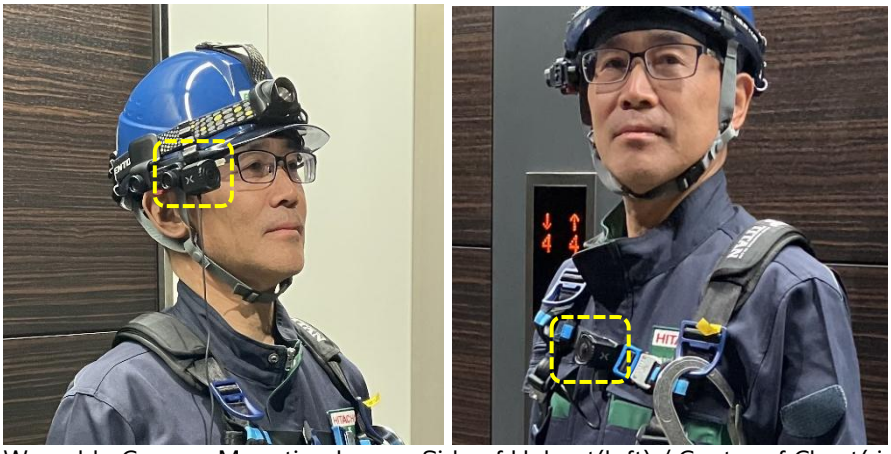

A diagram of an AI safety solution configuration using QR codes and wearable cameras(left) and a photo of work being done by a field engineer(right)

Tokyo, November 14, 2025 — Hitachi, Ltd. (TSE: 6501, hereafter **Hitachi**) announces that its Connective Industries Sector (hereafter **CI Sector**), a sector with deep expertise in on-site operations at both its own and customers' facilities, is driving initiatives to enhance workplace safety and operational efficiency. Recognizing these as critical management priorities, the CI Sector is committed to delivering solutions that strengthen performance and create safer, more productive environments. Hitachi Building Systems Co., Ltd. (hereafter **Hitachi Building Systems**), part of CI Sector, together with its group companies[*1] are developing an AI-based safety solution for field engineers to improve work efficiency and safety, under the principle that "Safety and health should always come first." This initiative is part of the value offered by digital service **HMAX for Buildings: BuilMirai,** which embodies Lumada 3.0.
As the first phase of the development project, on-site operations will begin in late November 2025, following the completion of a feature that can alert users to dangerous locations using QR codes, wearable cameras, and smartphones (the safety alert feature).

*1 Hitachi Building Systems Engineering Co., Ltd., Okinawa Hitachi Co., Ltd. and Elecare Co., Ltd.

The safety alert feature to be deployed in the field emits a sound from a smartphone when a camera worn by an engineer detects a QR code on a sign. These signs will be installed at every hazardous location on worksites. Traditionally, field engineers identify dangerous areas through pointing and calling during work. This feature aims to further enhance safety awareness by using sound to prompt engineers to reconfirm potential hazards.
The rationale behind the limited initial rollout of this feature is to help engineers adapt early to new workstyles involving wearable cameras and audio notifications, while minimizing their workload.
The system is designed to be scalable, anticipating future functional enhancements. Information captured via wearable cameras will be utilized for various safety measures.

In launching the safety alert function, we will prioritize both the safety of on-site engineers and the improvement of operational efficiency. At the same time, we will give due consideration to protecting the privacy of general building users and other individuals. For details regarding privacy protection, please refer to the attached “reference material.”



Wearable Camera Mounting Image: Side of Helmet(left) / Center of Chest(right)

The labor shortage issue is becoming more serious in the construction and building management industries. Today, skilled engineers and beginners work together on site more frequently. Hitachi's building system business includes approximately 26,000 frontline engineers, the largest within CI Sector. Hitachi positions the improvement of safety and work efficiency as critical business challenges, as it is a business with strengths in on-site operations. To respond to this challenge, the Hitachi Group converts the valuable knowledge of field engineers into data to promote the development of AI-based solutions. Hitachi Building Systems is engaged in the development and practical application of AI-based safety solutions as part of the value offered by the digital service HMAX for Buildings: BuilMirai. The company aims to integrate features such as generative-AI-based document creation support, dangerous location alert, and remote monitoring of work to create an environment where anyone can work safely and efficiently.
By linking this initiative with previously introduced measures and leveraging abundant field experience, Hitachi will contribute to workstyle reforms for engineers in the field and working at manufacturing sites around the world. These efforts will extend beyond the Hitachi Group. Additionally, Hitachi will introduce a system that enables managers and skilled supervisors to view fieldwork video remotely in real time. This will enable them to accurately understand the status of work and give instructions and advice if needed. By combining digital technology and skilled supervisors' experience and knowledge, Hitachi will construct a new structure in which the entire team can provide support without isolating field engineers.
These initiatives will aid the transfer of technology and the development of human resources as well as improve the safety and quality of work.

Hitachi’s CI Sector, to which Hitachi Building Systems belongs, focuses on “Integrated Industry Automation,” which aims to expand “HMAX Industry” into growth industries horizontally. HMAX Industry provides digital services that combine data from an abundant installed base of products (digitalized assets), domain knowledge, and advanced AI. As part of the CI Sector, Hitachi Building Systems aims to drive innovation for frontline engineers and contribute to improving people’s well-being through the delivery of “HMAX for Buildings: BuilMirai” that embodies Lumada 3.0.

・Other company names and product names mentioned herein are trademarks or registered trademarks of their respective owners.

**Hitachi Building Systems Website**
https://www.hbs.co.jp/

**Hitachi Elevators and Escalators Website**
https://www.hitachi.com/businesses/elevator/

**Hitachi Building Systems Brand Channel**
https://www.youtube.com/channel/UCfOgxcLRk3NHm2WrqHeQ6MA/

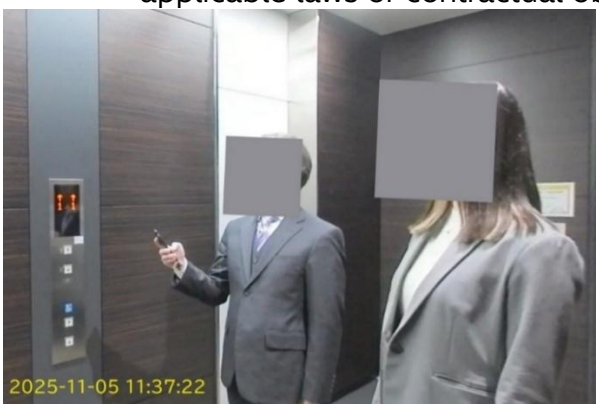
**About Hitachi, Ltd.**
Through its Social Innovation Business (SIB) that brings together IT, OT(Operational Technology) and products, Hitachi contributes to a harmonized society where the environment, wellbeing, and economic growth are in balance. Hitachi operates globally in four sectors – Digital Systems & Services, Energy, Mobility, and Connective Industries – and the Strategic SIB Business Unit for new growth businesses. With Lumada at its core, Hitachi generates value from integrating data, technology and domain knowledge to solve customer and social challenges. Revenues for FY2024 (ended March 31, 2025) totaled 9,783.3 billion yen, with 618 consolidated subsidiaries and approximately 280,000 employees worldwide. Visit us at www.hitachi.com.

reference material

**Privacy protection during the use of wearable cameras**

Hitachi, Hitachi Building Systems and group companies of Hitachi Building Systems plan to handle wearable cameras when they are used in the field as follows.

1. Purpose of recording video
   The status of work on building equipment, including elevators and escalators, is recorded using wearable cameras for the following purposes. The recorded video data will be used solely for the following purposes:
   (1) To understand the status of work performed by field engineers of Hitachi, Hitachi Building Systems, the group companies of Hitachi Building Systems, and its subcontractors;
   (2) To ensure the safety of field engineers while performing work;
   (3) To consider and implement measures to maintain and improve the quality and safety of work;
   (4) To provide training for field engineers and managers and promote talent development;
   (5) To develop and improve AI Safety solutions and/or related services;
2. How video is recorded
   (1) After explaining the fact, purposes and others of recording to field engineers in advance, we will use wearable cameras attached to their bodies to record the status of work, including preparation prior to work and preparation for leaving buildings after work, during the execution of work only.
   (2) Video is recorded within the area of the target building's equipment and its surrounding area, limited to the scope necessary for performing the target work. Videos will never be recorded in places where it is prohibited by the owners or managers of the facility.
   (3) All due care will be taken during video recording to ensure that the general public using the buildings owned or managed by owners or managers of facilities will not be recorded. In the event that any individual is inadvertently recorded, their face will be automatically masked at the time of recording. Therefore, the recorded videos will not contain any personal information that identifies specific individuals.
3. Handling of recorded videos
   (1) After the completion of the work, the recorded video will be stored on the business-use smartphone of the field engineer. Access to and viewing of the recorded video will be limited to managers of the Administration Division or the Technical Division of Hitachi Building Systems, and recorded videos will never be provided to any third party. Recorded videos are encrypted for storage, ensuring that they cannot be unlawfully viewed by any third party.
   (2) The recorded videos will be stored for a period not exceeding one (1) month and will be deleted upon the expiration of such period except where storage is required by applicable laws or contractual obligations.



Example photo of faces being obscured by masking.

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**Information contained in this news release is current as of the date of the press announcement, but may be subject to change without prior notice.**

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