

News Release

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MIRAIT ONE Corporation

### 【MIRAIT ONE Corporation】

#### MIRAIT ONE Group to Introduce "Photo AI Inspection (Blur Detection)" Using Image Analysis AI Technology

- Smartphone Edge AI enables real-time assessments even at heights where reception may be weak -

MIRAIT ONE Corporation (head office: Koto-ku, Tokyo; President and Chief Executive Officer: Hidemune Sugahara; "MIRAIT ONE") will begin introducing "Photo AI Inspection (Blur Detection)," a system using image analysis AI technology, in late January 2026, with the aim of improving the quality of inspections of as-built photographs at the construction sites of telecommunications infrastructure and reducing the need for re-photographing by onsite construction team members.

This inspection system will be implemented across the MIRAIT ONE Group's NTT business.

#### 1. Background and objective: Reduction of revisit operations through real-time detection

At telecommunications infrastructure construction sites, a huge number of photographs are taken to verify construction quality. Conventionally, a certain number of deficiencies (out-of-focus, underexposure, etc.) are discovered after images taken were checked by the inspection center. When deficiencies were found, particularly in connection with work at high places such as utility poles, there was a need to perform "rework operation," which involved arranging for an aerial work platform vehicle and revisiting the site. This had been a major issue.

The introduction of this system will significantly reduce the burden of revisit operations and improve productivity as the system presents "reasons for lack of clarity" on the spot in real time when taking photographs, allowing users to immediately retake photos onsite.

#### 2. Main features of "Photo AI Inspection," which is unique beyond all others

This system has the following features optimized for the unique environment of telecommunications infrastructure construction sites.

##### Feature 1: Full real-time and off-line support by "Smartphone Edge AI"

The system employs the "Edge AI method" in which an assessment engine is installed right in smartphones. While most image detection AIs are mainly cloud-based, the Smartphone Edge AI makes it possible to provide immediate on-the-spot assessment results, even in locations with poor reception or at heights where the signal may be weak.

## **Feature 2: Four unparalleled detection items that reproduce the perspective of professionals in the field**

Compared to many existing products that only detect "out-of-focus" deficiency, this product has the following four detection functions not found in others, contributing to solving issues unique to outdoor construction of telecommunications infrastructure.

- Out of focus
- Poor distancing (too far for clear identification)
- Poor exposure (blown highlights, blocked up shadows)
- Poor angle (object not visible due to poor angle)

## **Feature 3: Optimized inspection standards from a business management perspective**

If inspection standards are high, the frequency of re-photographing will increase, while if they are low, the need for revisits would not be sufficiently reduced. Therefore, a business management perspective is adopted that offers a good balance between the two factors and sets optimal inspection standards.

## **Feature 4: Inspection standards set according to onsite needs**

This inspection system recognizes major construction-related objects, such as pole number tags, height above ground, pole line hardware<sup>\*1</sup>, and cable installations<sup>\*2</sup>, and when inspection standards differ by organization or area, it allows users to flexibly set inspection standards optimized for each respective environment, achieving a high level of inspection quality that meets the needs of the given site.

### **3. Expected effects of introduction**

#### **• Stronger relationships with construction partner companies due to reduced burden**

Since it is the partner company's responsibility to reshoot unclear photos, adopting this product will greatly reduce the burden on the partner company and contribute to strengthening the relationships with companies in the MIRAIT ONE Group.

#### **• Advanced inspection work**

Photo inspection centers will be able to focus on more sophisticated quality control operations as the product reduces the workload for detecting and managing unclear photos.

### **4. Summary**

#### **• Time of introduction: Late January 2026**

**• Adopting entities:** MIRAIT ONE (Carrier Business East Company, Carrier Business West Company), SOLCOM Co., Ltd., Shikokutsuken Co., Ltd.

**• Detection target:** As-built photographs of pole number tags, height above ground, pole line hardware, cable installations, etc.

In the future, we intend to utilize this system for various construction projects in our group and promote it with an eye to selling the product externally as well.

In addition, the MIRAIT One Group will continue to utilize cutting-edge digital technology to drive DX in the telecommunications construction industry, thereby contributing to the construction of higher quality social infrastructure.

\*1 Pole line hardware is a special metal fitting used to branch lines between poles or to fasten a line at the entrance of a house when running telephone lines (subscriber lines), etc., from a utility poles to houses.

\*2 Cable installations refer to communication cables, etc., set and installed on utility poles owned by NTT.

#### <About MIRAIT ONE Corporation>

Founded in 1946, MIRAIT ONE is a company engaged in building and maintaining various types of social infrastructure with a history spanning approximately 80 years. Based on the wealth of experience and technical expertise we have accumulated in the construction of telecommunications infrastructure, in recent years we have been creating and maintaining society's infrastructure in the energy and transportation fields. By leveraging our technologies in communications, electricity, architecture, civil engineering and other fields, we are working on urban and regional development that connects to the future, including implementing DX in communities and businesses and promoting the use of green energy. Based on our purpose of "co-creating an exciting future through challenges and technology," we aim to create new value that enriches people's lives and realize a sustainable society.