

3D K-Field Practical Applications

Visualize and Utilize Data in real time

Please feel free to contact us for consultation.

Digitizing Commercial Facilities in 3D

Share real-time information seamlessly across multiple users

Facility User Information Delivery

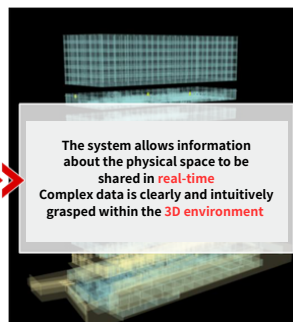


- Access detailed information about each store
- View real-time congestion levels within shops and facilities
- Stay informed on limited-time events and campaigns

Facility Manager



- Promote store campaigns and improve visibility of customer flow
- Visualize crowded areas and optimize facility layouts
- Monitor equipment operation status in real-time



Digitizing Offices in 3D

An efficient information management system



Real-time monitoring of workplace occupancy



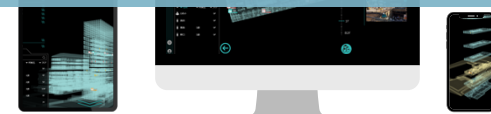
Visualization of people and assets across departments



Stay informed with real-time meeting room availability

See cafeteria crowd levels at a glance

All essential information displayed on a single screen



Digitizing Factories in 3D

Enhance efficiency through advanced data analytics



Activity Tracking
Monitor time spent in each area and record Entry/Exit time



Vital Sensors
Detect early signs of employee fatigue or health issues, link with real-time location data



Operational Efficiency Monitoring
Track equipment utilization and reduce costs by identifying unused assets



Workstyle Innovation
Use data insights to create a safer, more comfortable, and efficient working environment for employees



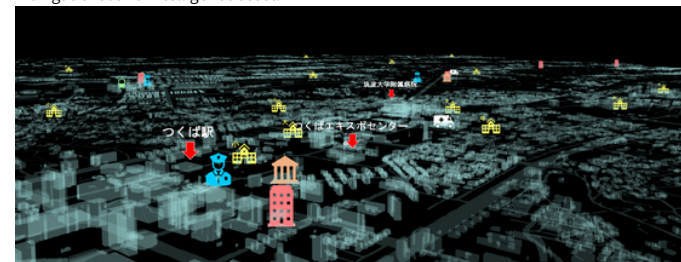
Hazard Detection
Prevent unauthorized entry and locate personnel in hazardous areas



Urban Digitalization in 3D

We create the city Digital Twin by integrating diverse data sources

The resulting 3D model clearly visualizes landmarks, transforming it into a powerful navigational and intelligence asset.



3D K-Field enables remote visualization of on-site movements, conditions, and changes.

It is a management platform designed to support smart decision-making.



3D K-Field Implementation Flow

We offer comprehensive, integrated support for the entire process, from initial consultation and hardware selection to final equipment delivery. We also offer comprehensive operational support after deployment.

Overview & Planning

System Briefing and requirements confirmation

Implementation

Define scope of use & finalize required Equipment

Order & Setup

Equipment procurement, installation, and 3D model Environment

System Launch

Install necessary hardware, link data, and start operational use

Timeline: 2 months

Timeline: 1.5 months

Timeline: 1 Month Prior

Operational Use

Core Hardware for 3D K-Field

(The equipment listed here is provided as an example)

IoT Gateway

Served as the central receiver for all location data and sensor inputs within the system



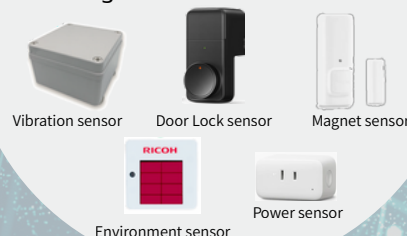
Beacon

Integrated with the Gateway, these are essential for high-precision indoor and outdoor location tracking



Sensors

A suite of specialized sensors translates real-world conditions into digital data for the Digital Twin environment.



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OneTeam website



3DK-Field website

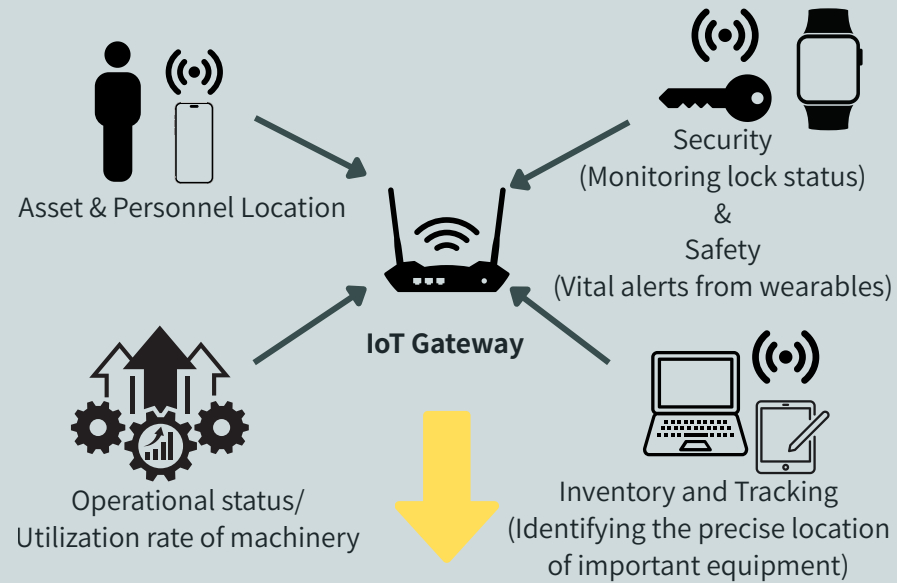


3DK-Field Introduction Video

CONTACT US

3D K-Field System Architecture: From Data to Decision

3D K-Field system delivers **real-time spatial intelligence**. Beacons and Sensors attached to assets transmit data, which is seamlessly captured by Gateways installed across your facility.



IoT Data Transformation



3D K-Field
Data Infrastructure

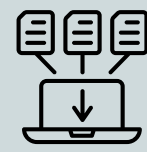
Reflect in the
system space



Extraction/Output



Processing /Transformation



Ingestion/Input

3D K-Field Core Functionality

We deliver Real-Time Data Visualization through a variety of customizable displays, perfectly aligning the system's output with your specific business objectives.

※ Depending on the required features, a separate contract may be necessary

Alert Notifications

- We display alerts such as **abnormal vital signs from wearable devices** or **proximity to hazardous areas** directly on the 3D model
⇒ **Early Detection** significantly reducing overall operational risk
- When a hazardous area is detected, an alert is sent to the smartphone of the nearby individual, and the alert location is simultaneously displayed on the 3D model

User vital data is displayed on the 3D K-Field interface

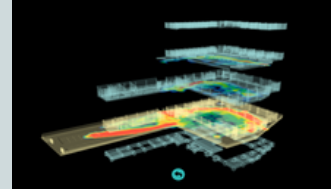


※ A separate cloud service contract is required for this feature

Data Analysis and Report

- Asset Utilization:** We consolidate the utilization rates of monitored assets and items by category
- Movement Visualization:** we visualize the movement history of monitored personnel
⇒ This data enables the optimal deployment of people and equipment

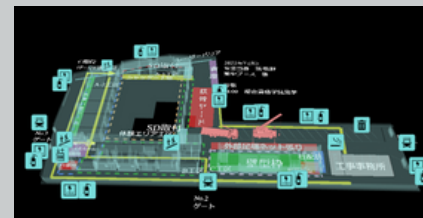
Heat Map Display



Equipment Utilization Report

Site Management

- Easily build precise internal floor plans by placing 3D objects, text and figures directly onto the model
- Pin files and instructions to specific physical locations
⇒ Enabling seamless information sharing based on location



3D model serves as a direct, visual guidance and orientation map

Content can be shared as PDF or Image files

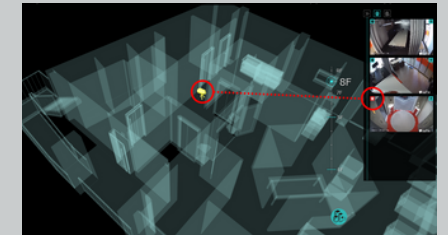


Visual Intelligence Integration

- Integrate both fixed and portable camera feeds to stream live video directly from the source location
- This enables the simultaneous comparison of the live video with the Digital Twin, providing instant, intuitive situational awareness



On-site installed monitoring camera



Actual video footage and the 3D model display can be compared simultaneously

An integrated platform that brings real-time insights from remote sites to life-empowering smarter, faster decisions

3D K-Field is a smart system that visualizes the real-time status of equipment, materials, and personnel on site. Using sensor data and BIM-based digital model, it maps 3D locations and displays equipment activity and vital data delivering a clear, dynamic view of on-site operations

All essential
information
on a single screen

One platform for
seamless
collaboration

