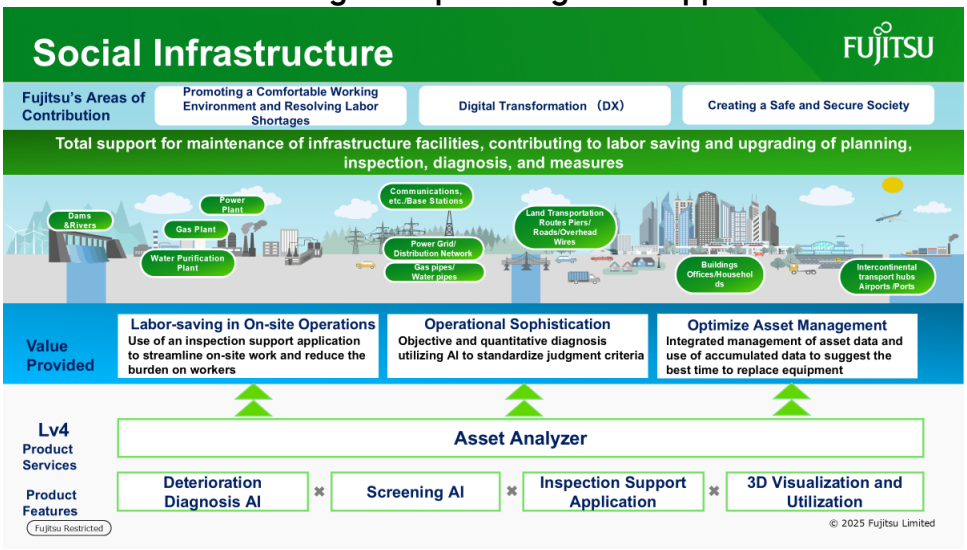
Asset Analyzer

Aiming to enhance safety and security, quality of life, and productivity, to achieve sustainable social infrastructure.

Fujitsu's Social Infrastructure utilizes AI diagnostics and digital twins to provide total support for the maintenance of infrastructure facilities and contribute to labor-saving and upgrading of planning, inspection, diagnosis, and measures.

Asset Analyzer is a service that comprehensively supports inspection and diagnosis in maintenance work of infrastructure facilities, utilizing deterioration diagnosis AI and visualization services. It contributes to the Social Infrastructure's goal of providing total support for infrastructure maintenance operations.



Service Offerings

1 AI powered Service

AI is used to diagnose deterioration in the appearance of equipment such as cracks, rusts, and peels from two-dimensional images.

2 Model Creation/ Improvement Service

We use your image data to create and improve custom AI models that reflect the unique characteristics of your facility.

3 Inspection Support App Service

The application supports the acquisition and cooperation of field workers' diagnostic data.

4 Visualization Service

We provide visualization and utilization services using 3D data as white maps that anyone can intuitively understand.

5 Visualization Implementation Service

We construct a visualization environment that can be used in real life, such as organizing and converting point clouds, linking with asset information, and 3D simulation.

Reasons to Choose us

Labor Saving for On-Site Operations	Advanced Operations	Asset Management Optimization
We streamline on-site operations, such as close visual inspections traditionally performed by skilled technical personnel, by using a diagnostic support app for smartphone photography and screening data collected using vehicles.	In deterioration diagnosis work, AI can be used to make objective and quantitative diagnosis, standardize judgment criteria, and efficiently process large amounts of collected data.	We integrate and manage equipment, environmental, and deterioration diagnosis data, and utilize this accumulated data to suggest the optimal equipment replacement timing, reducing and optimizing lifecycle costs.

Utilization Image

Image of the use of diagnostic AI

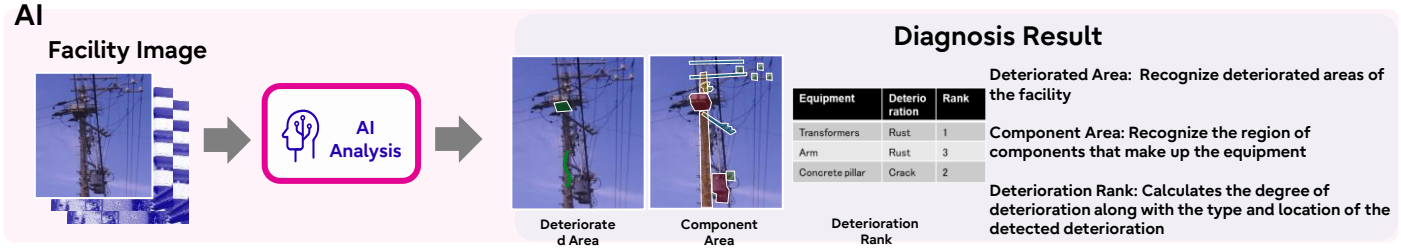
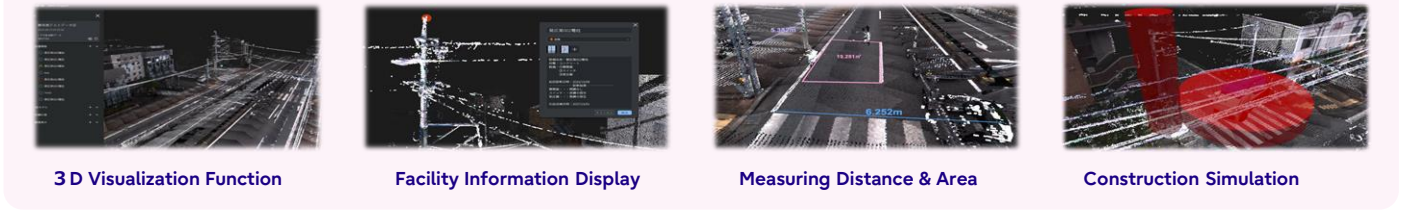


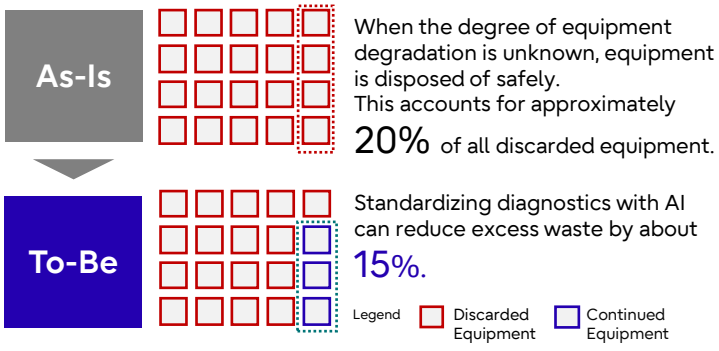
Image of 3D visualization service utilization



Benefits of Implementation

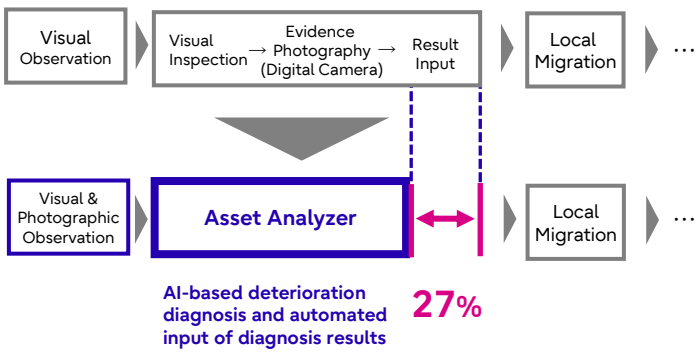
1. Curbing overinvestment

- **AI standardizes the criteria for determining the degree of deterioration and the need for replacement of equipment, thereby reducing excess equipment disposal by approximately 15%.**



2. Reduction of diagnosis work time

- **AI replaces deterioration diagnosis and result entry, reducing diagnostic time by approximately 27%.**



Contact

Fujitsu Limited
Enquiry Form