

AI Image Analysis × Image Based Mobile Mapping System For Advanced Design & Inspection

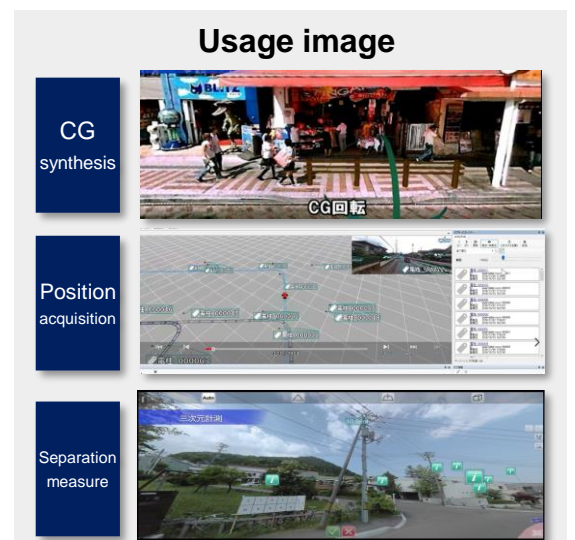
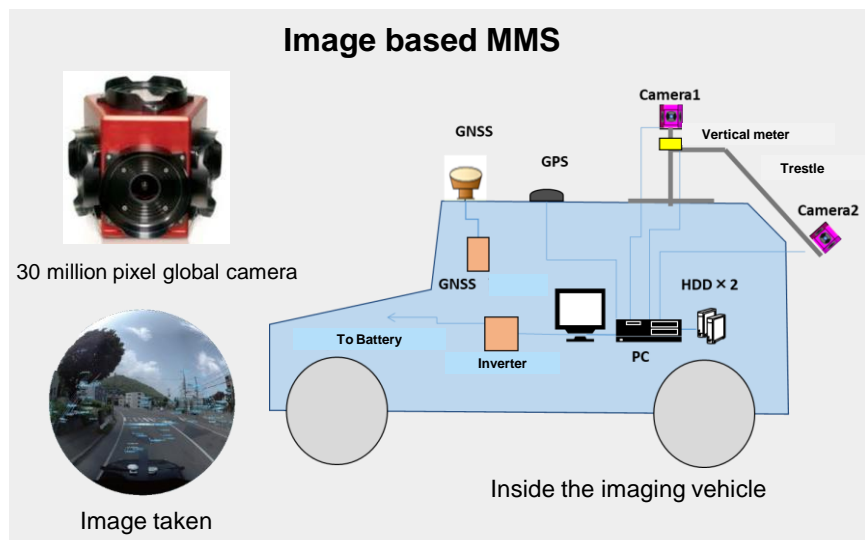
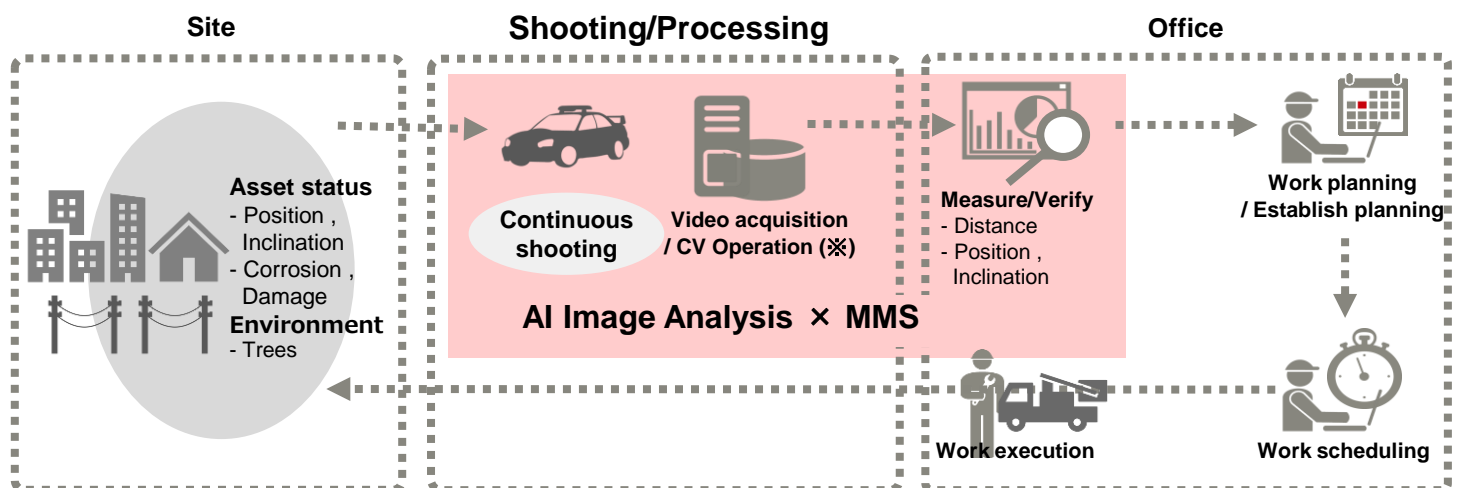
advanced technology

AI image analysis and image-based MMS for providing new value

By using technology combined a simple mobile mapping system (MMS) without using laser point with AI image analysis such as DeepLearning, design & inspection operation can be more easier. These technology provides new value such as “ Automatic extracting electric power equipment (Electric poles, etc.) and position information from captured images”, “ Upgrading electric power design by CG synthesis on captured images”, “ Distance measurement between electric power facilities and other facilities or ground “.

Customer Benefits

- Reducing the cost of field transfers by power design simulations at office.
- Supporting judges the necessity of the asset repairment by measuring the distance and height at office.



AI Image Analysis for Building Appearance Inspection

AI Platform Solution for Building Appearance Inspection

Customer Benefits

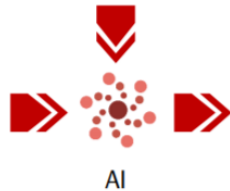
- Easy to identify area of poor appearance and determine levels of deterioration and damage on tremendous images and videos from smartphones, tablets, drones etc.
- Easy to understand the inspected information via the Dashboard on tablets or monitors.
- Easy to utilize the Dashboard in cooperation with any existing customer systems for planning, verification, restoration in maintenance of constructions.

The video of the inspection points



Zinrai

Trained model

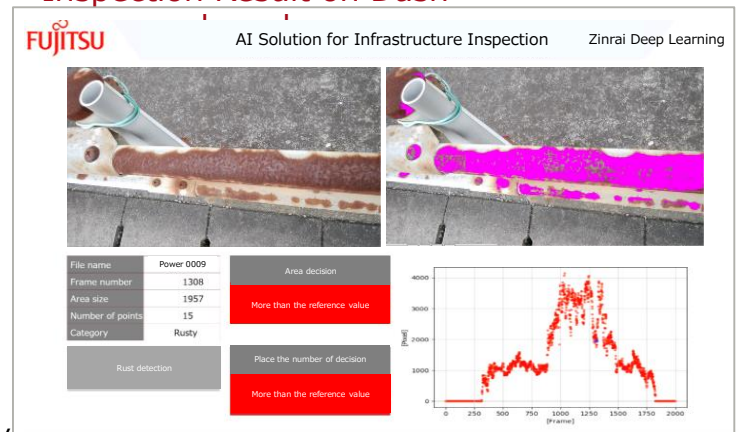


AI

Anomalous partial detect quantitatively

- Rust
- Crack
- Peeling concrete
- Faded degree
- Cable cutting etc.

Inspection Result on Dash



Ready to try on your videos



Application Example

- Periodic inspection on apartments, buildings, condominiums, etc.
- Maintenance on constructions on highways, bridges, railways, port facilities, utilities
- Tremendous images collected via a drone on solar systems, power facilities, etc.

Features

- Ready to test an inspection with the FUJITSU well-trained models
- Easy to determine degree of degradation of rust, crack, peeling by measuring quantitative analysis
- Easy to customize the model and the Dashboard to improve based on additional new training dataset from videos on the inspection target

This leaflet has been translated from a Japanese local version.

Some content referenced is for Japan only.

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