FUJITSU

Fujitsu Computer Vision

Powering public sector infrastructure inspection

Revolutionizing public sector infrastructure inspection

Today many infrastructure maintainers still depend on skilled workers to undertake repetitive visual inspection across their infrastructure. This adds significant cost, danger and inefficiency to maintenance, in a period where pressure to reduce costs and increase availability are ever increasing.

Current visual inspection of assets does not support moving from time to condition-based maintenance due to the lack of regular visibility of their condition. Reducing asset failure, performance fines and customer complaints can now be achieved through automating the critical inspection of assets to optimize maintenance.

Fujitsu Computer Vision empowers you to increase revenue and reduce costs through intelligent maintenance automation.

Combining state-of-the-art Artificial Intelligence (AI) algorithms with traditional computer vision technologies, as well as partnering with data capture vendors, Fujitsu delivers end-to-end image recognition solutions for maintenance automation.

Fujitsu Computer Vision delivers end-to-end image recognition solutions to automate, analyze and interpret the detection and identification of visual data.

Benefits of Fujitsu Computer Vision

Data acquisition

- **Identification and classification** – Preventative maintenance for increased infrastructure availability
- **Increased speed** – Inspect more assets than possible by manual inspection
- **Increased workforce safety** – Less time needed on site in harms way due to early, remote diagnosis

Detection

- **Increased asset quality** – Support proactive service scheduling and better planning of repairs
- **Increased revenue** – Avoid costly service disruptions to reduce performance payments
- **Faster response** – Identify infrastructure issues as they occur to reduce downtime

Analysis

- **Workforce optimization** – Release skilled workers to focus on higher value activities
- **Optimized maintenance** – Move from time-based to condition-based maintenance
- **Increased customer satisfaction** – Explore new business models that align with customer needs; reinforce continuous infrastructure quality

www.fujitsu.com/global/services/business-services/computer-vision

Fujitsu Computer Vision adds value for public sector infrastructure across monitoring, cataloging and planning city infrastructure maintenance.

"The AI technology that Fujitsu has developed makes analyzing thousands of images far more efficient"

Tania Pettitt, Partnership Manager, New South Wales Office of Environment and Heritage

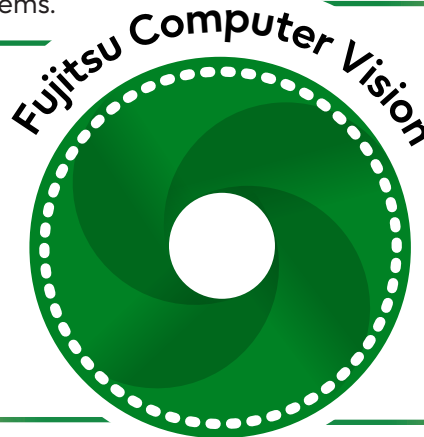### Flexible
Platform-neutral, deployable to cloud or on-premises, seamlessly integrates with existing CCTV infrastructure, machine vision sensors, computer hardware and software ecosystems.

Data-science friendly
Easy to extend and leverage understanding of domain-specific environment to generate and present algorithms and data analysis.

Futureproof
Security, performance and functionality through on-going release updates.

Scalable
Scale to support additional users, organizations, data, processes and features over time.

Easy to deploy
Intuitive, customizable user interface reduces user learning curve to support role and use case-specific views to improve business decision making.

Customizable
Predefined, yet modifiable, modules to trial, prove business value and address unique customer challenges.

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Fujitsu Computer Vision also supports customers in the following industries:

Retail
Customer behavior analysis, purchase pattern and queue management, store health capacity and occupancy tracking, footfall and demographics analysis for people and vehicles.

Healthcare
Faster and more accurate healthcare diagnosis and measurement, efficient screening for illness and disease.

Security
Crowd and traffic analysis, behavior analysis, missing person tracking, abandoned object detection, leverage existing CCTV infrastructure.

Manufacturing
Quality control and anomaly detection systems on the edge and cloud, using either existing or new machine vision sensors.

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