Asset Vision

TRANSFORM YOUR ROAD & PATHWAY INSPECTIONS WITH ADVANCED, AI-POWERED AUTOMATION.
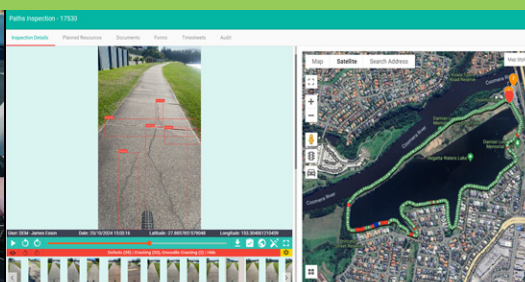
AutoPilot+AI transforms road and pathway corridor inspections - making them safer, faster, and smarter.

Hands-free image capture lets field workers stay focused on the road, reducing manual stops, note-taking, and roadside risk. Virtual playback and remote defect analysis improve safety while boosting efficiency.

From hazard detection to job creation, AutoPilot streamlines workflows and builds a

rich visual record for planning, audits, claims, and customer service. It works offline where needed, ensuring full functionality even in remote areas. AutoPilot is built into the Asset Vision EAM platform but can also operate standalone, integrating easily with your existing asset management systems.

Autopilot delivers immediate, measurable results—enhancing transparency, decisions, and performance.

SAFETY
Keeps operators hands on the wheel and their eyes on the road.

PRODUCTIVITY
Reduces the time from defect/hazard identification to job creation.

FLEXIBILITY
Designed for easy setup, quick activation and seamless integration.

AUTOPILOT CAPTURES A DIGITAL TWIN AND AUTOMATICALLY IDENTIFIES ROAD CORRIDOR DEFECTS USING AI TECHNOLOGY.

AutoPilot enables the Asset Vision mobile app to automatically capture road or pathway images every 10 metres during inspections. These images are uploaded to the cloud, analysed for defects, and linked to the inspection for playback via the Asset Vision interface. Inspectors can also log defects hands-free using a Bluetooth button and voice-to-text.

Inspections are reviewed through a Google-based map interface, showing routes, image locations, and detected defects in real time. Users can replay inspections like a video, step through images, or navigate directly via the map or timeline. All images include metadata (date, time, GPS) and can be used to create jobs or records. Stored indefinitely, this data supports long-term analysis, compliance, and historical comparison.

DRIVEN BY AI

AutoPilot+AI delivers benefits across key areas including:

- Improved inspection safety & efficiency
- Incident investigations
- Disaster recovery
- Future works planning
- Safety Audits

AUTOMATIC DEFECT DETECTION

AutoPilot + AI uses LiDAR to provide approximate measurements of detected defects including:

- Potholes
- Cracking, crocodile cracking & edge defects
- Leaning guideposts

with many more coming.

Road corridor before storm
615 days ago - 01/09/2023 8:10:56

REWIND

Visually compare changes over time at any location:

- Instant access to historical imagery
- Simply draw a box in the browser
- View that area change over time
- Support analysis of degradation and event claims

AUTOPILOT TOP VIEW

Utilising advanced AI techniques to enhance AutoPilot's captured imagery by generating a top-down perspective — offering a new dimension of insight without requiring additional hardware or drone footage.

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