

/strata protect



Strata HazardAI

Artificial Intelligence powered Machine Vision Solutions
designed to keep your team out of harms way



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HazardAI™
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Artificial Intelligence powered Machine Vision Solutions
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The Strata family of connected HazardAI sensors deliver proven safety based Workforce Behavioral Change. Powered by the Strata SafeSITE AI platform and state-of-the-art embedded edge computing sensors from our HazardAI range, our solution corrects for human oversight and their likely incursion into high-risk zones by detecting, analyzing, and responding to real-time event data and notifies in real-time.

Our all-in-one solution detects and differentiates between people, vehicles and objects in close proximity using stereoscopic vision to measure distance and advanced algorithms analyze the potential for collision. Automated alarms warn the machine operator and workers on foot when necessary.

The Strata family of HazardAI sensors gives site managers confidence that workers and heavy machinery will be kept at safe distances while effecting true long lasting safety based workforce Behavioral change via the SafeSITE AI platform.

Behavioral Change

Strata SafeSITE drives a positive step-change in safety performance and attitudes by prompting all employees to choose the right behavior in high risk zones.

Applicable to Static and Mobile Environments

Our Edge AI systems make automated decisions based on variable conditions with application in static and mobile environments, processing data sources that change frequently.

Real-time Notifications and Event-driven Design

Notifications in real-time are a fundamental building block for improving site safety, alerting machine operators, pedestrians and site managers of safety breaches.

Comprehensive Reporting Dashboard and Record Keeping

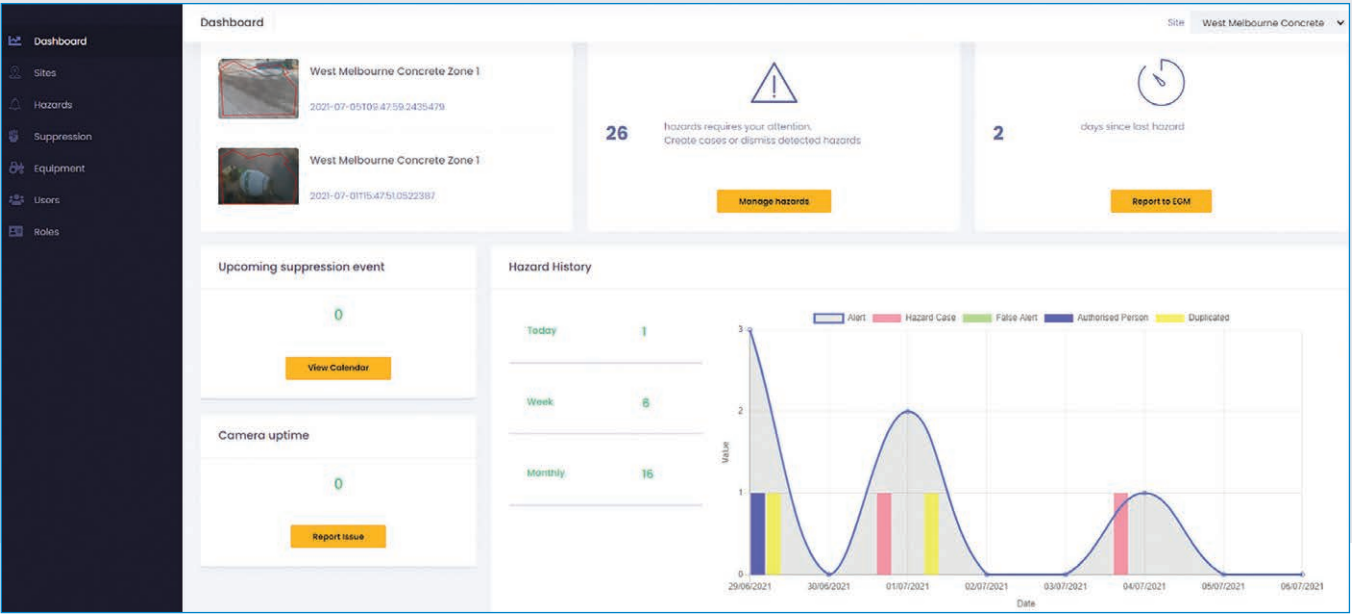
Comprehensive views of critical metrics and site status enables site managers to track data and manage HSE reporting.

Vehicle mounted AI solutions protecting workers on foot in operator blind spots on hard to control worksites without relying on RFID tags. HazardAI is ISO21815 compliant for full level 9 implementation.

Infrastructure mounted AI solutions to monitor and warn when workers on foot enter exclusion zones. Immediate feedback is provided to pedestrians and site management.

Benefits

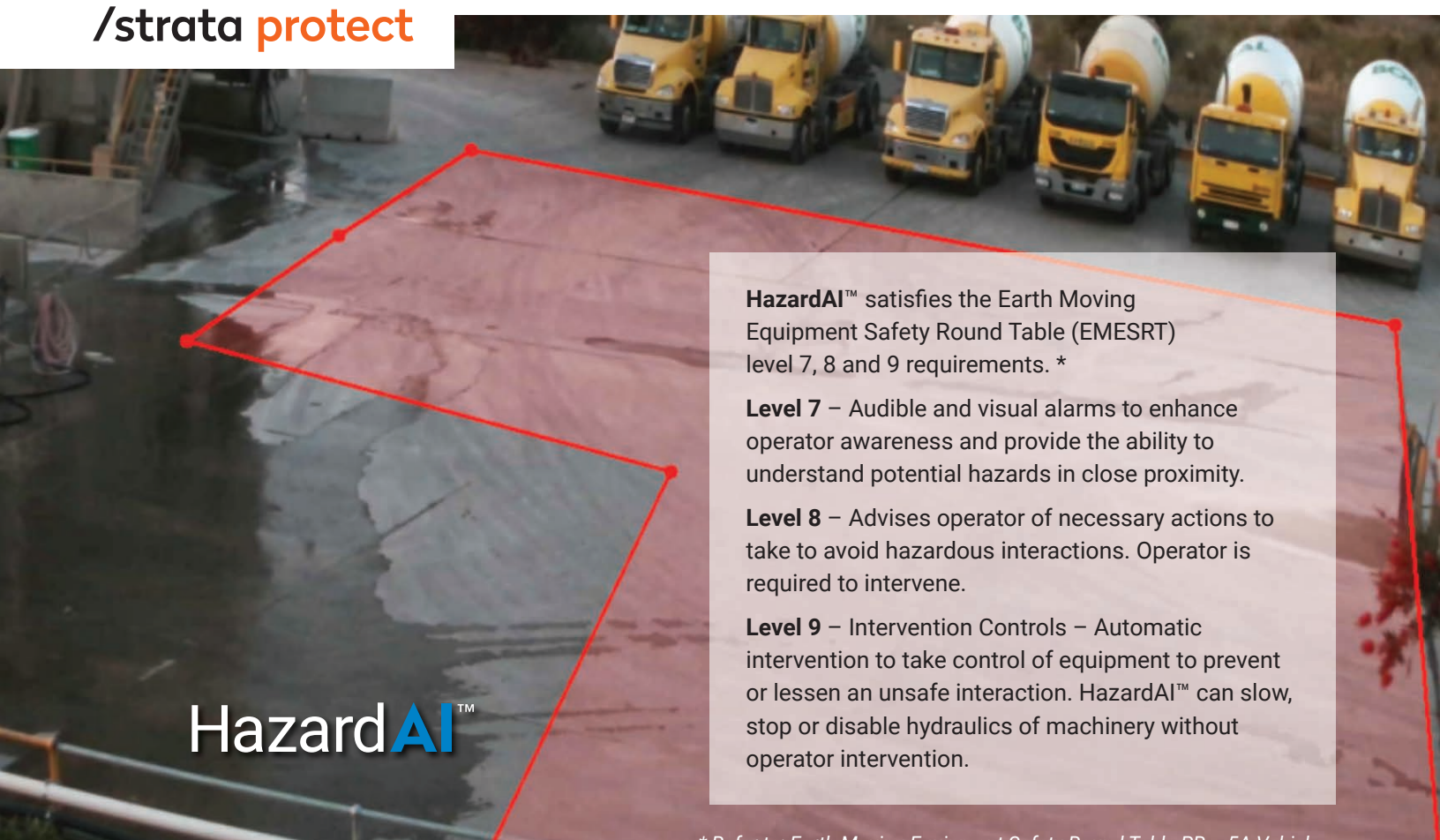
- No wearables required
- Improves safety around industrial machines and around exclusion zones.
- Improved operator awareness.
- Low light sensitive optics with wide field of view.
- Ultra-rugged design for tough environments.
- Multiple camera configurations and options for any type of machine or fixed installation.
- Customizable detection zones.
- Suitable for surface and underground applications.
- 60 Hours of video recording and event log
- Void and berm detection.
- Telematics monitoring of machines
- Near-miss monitoring of pedestrians
- Near-miss monitoring of machines
- Berm and void Vidar detection monitoring
- System health (including dirty-lens monitoring)



More than a Supplier...

Strata maintains a successful track record by working closely with customers and fully understanding individual project needs. On-site and remote service capabilities provide ongoing support and troubleshooting and help to ensure system integrity.

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HazardAI™ satisfies the Earth Moving Equipment Safety Round Table (EMESRT) level 7, 8 and 9 requirements. *

Level 7 – Audible and visual alarms to enhance operator awareness and provide the ability to understand potential hazards in close proximity.

Level 8 – Advises operator of necessary actions to take to avoid hazardous interactions. Operator is required to intervene.

Level 9 – Intervention Controls – Automatic intervention to take control of equipment to prevent or lessen an unsafe interaction. HazardAI™ can slow, stop or disable hydraulics of machinery without operator intervention.

* Refer to: Earth Moving Equipment Safety Round Table PR – 5A Vehicle Interaction Systems (EMESRT PR-5A Vehicle Interactions_v2_20190902.pdf)



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