REMARK

Construction

Making sites safer with AI-driven video analytics

The construction industry is a complex working environment with a high number of reported accidents each year. These accidents can be avoided by following proper safety procedures. Our AI analytics monitor daily operation 24/7 to prevent accidents and in support of compliance whilst creating a safer, more securer and eco-friendly working space.

Safety and Security

PPE detection and monitoring

- Helmet, fluorescent clothing, PPE e.g. protection glasses
- Verify correct corresponding PPE wearing matching workers' role

AI Safety Awareness

- Abnormal behaviour detection, falling down, violence, running etc.
- Anti-Operational Blind Point for machinery
- Multi-sensor Operational Safety Monitoring
- Route/Exit Blocking Alert

Smart Smoke Monitoring System

Preventative fire measures with fire and smoke monitoring.

Crowd Detection/ People Counting

- Monitor the number of personnel on site
- Once a crowd is detected, the system will automatically send an alert or trigger the appropriate workflow to see a resolve

Perimeter intrusion detection features include:

- Real-time event alerts for intrusion, e.g., a vehicle getting close to a restricted area, crossing the perimeter, already crossed, or still far away from the construction sites but loitering for an extended period.
- Sounds and Light warnings to prevent security breaches.

Perimeter Intrusion Detection

Safety Awareness Monitoring

Crowd Detection

PPE Detection

Fire & Smoke Detection

Vehicle Flushing Monitoring

REMARK

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Personnel Management

Multichannel ID Verification

- Face recognition, QR code, Bluetooth provide various choice for staff and visitor access.

Personnel Access Control and People Management

- With personnel detail tags such as watch list, VIP, manager, visitor, for individual access control, and tracking.
- Control Room Monitoring or real time Grant Access.

Working Site

- Maintain lower the occupancy density of small area to ensure health safety.
- Maintain working site safety.

Vehicle Management

- Vehicle detection, tracking to monitor parking, loading or working status, bay allocation.
- External vehicle plate recognition to access control.
- Internal vehicle positioning system and working record monitor.
- Parking management or on-site area access control.
- Intelligent management of excavator entry and exit. Once the excavator leaves the designated area, the system will alert.

Operation Management

- Muck Truck Coverage Recognition for regulation compliance.
- Vehicle Flushing Monitoring System for regulation compliance.

Multichannel ID Verification

Access Control

People Management

About Us

Our award winning AI models and video analysis increases the safety of any environment, and the operational efficiency of both private and public sector organisations. Our video analytics works with existing video or CCTV systems to keep workers, spaces and valuable assets safe along with buildings secure.

We apply artificial intelligence and machine learning onto existing IP CCTV systems to transform video content into actionable insights for rapid review with real-time alerting.