Case Studies: Pengerang Terminal advanced edge analytics for smoke & fire detection, people & vehicle counting, integrated with Simpnify platform

Transforming Safety and Efficiency with Smart Edge Analytics and Simpnify Integration

Our advanced edge analytics CCTV Camera, seamlessly integrated with the Simpnify platform, transforms safety and efficiency at Pengerang Terminals. It revolutionizes the detection of smoke and fire, counts people and vehicles, and monitors environments in real-time.

HOW DO WE HELP THEM?

Real-Time Alerts: Instant notifications enable swift response to fire and smoke incidents, enhancing safety measures and minimizing potential damage.

Cost Efficiency: Edge analytics reduces reliance on centralized processing and bandwidth, optimizing infrastructure costs while maintaining high performance.

Enhanced Security: Continuous monitoring and analytics capabilities provide proactive security measures, deterring potential threats and ensuring a safer environment.

Accurate Counting: Precise vehicle and people counting data facilitates better resource allocation, improved traffic management, and enhanced operational efficiency.

Headcounts Tracking: Provides visibility on the number of people and vehicles on-site during emergency drills.

HOW IT WORKS?

1. Fire and Smoke Detection

Alarm Detection

- Fire or smoke are detected by camera sensor
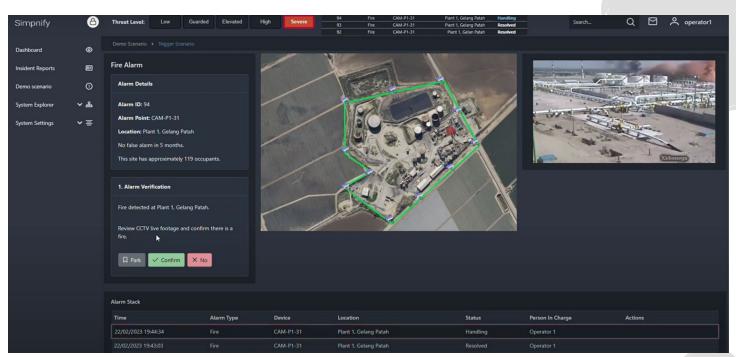
Alarm Verification and Handling

- Simpnify Server receives the alarm.
- Activates predefined Standard operating Procedures (SOP).
- Verify the details of fire and smoke detected from the camera.

Alarm Resolution

- Captured details of alarm and actions taken.
- Fill up the resolution form with additional comments.

Reference user interfaces of Simpnify:

2. People and Vehicle Counting

Object Count

- People enter/exit the turnstile.
- Vehicles enter/exit the boom gate.

Real-time Display Data Count

- Simpnify Server receives the data from the camera.
- Summarize the counts from multiple cameras into groups data. Eg: People Entry group.
- Display the total group count on widget and charts to visualise the trends.
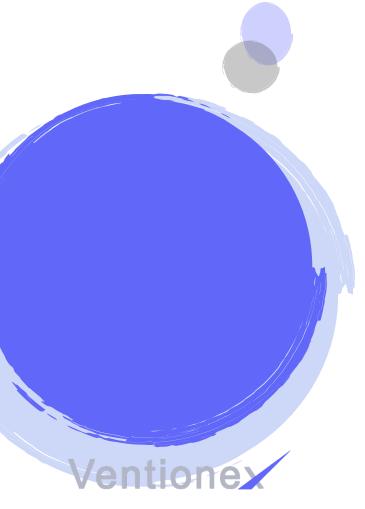
Reporting

- Export the report daily or hourly.
- Available in PDF and CSV format.

Reference user interfaces of Simpnify:

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