

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



Transforming Safety and Efficiency with Smart Edge Analytics and Simpify Integration

Our advanced edge analytics CCTV Camera, seamlessly integrated with the Simpify 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.

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

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.

HOW IT WORKS?

1. Fire and Smoke Detection

Alarm Detection



- Fire or smoke are detected

Alarm Verification and Handling



- Simpify Server receives the alarm.
- Verify the details of fire and smoke detected from the camera.

Alarm Resolve



- Fill up the resolution form with the details and action taken.

Reference user interfaces of Simpify:

The screenshot displays the Simpify dashboard with a 'Severe' threat level. A 'Fire Alarm' notification is active, showing details such as Alarm ID: 94, Alarm Point: CAM-P1-31, and Location: Plant 1, Gelang Patah. The interface includes a '1. Alarm Verification' section with a 'Confirm' button highlighted in green. An 'Alarm Stack' table at the bottom shows the current alarm and a previous resolved one.

Time	Alarm Type	Device	Location	Status	Person In Charge	Actions
22/02/2023 19:44:34	Fire	CAM-P1-31	Plant 1, Gelang Patah	Handling	Operator 1	
22/02/2023 19:43:03	Fire	CAM-P1-31	Plant 1, Gelang Patah	Resolved	Operator 1	

Alarm Resolution Form

1. Alarm Details

Alarm ID: 94 | Alarm Type: Fire | Alarm Timestamp: 2023-02-22 19:44:42
 Priority: 1 | Event Location: Plant 1, Gelang Patah | Top Location: Johor

2. Alarm Activity

Activity Timestamp	Operator	Description	Activity Type
02/22/2023 7:44:44	Operator1	Alarm Verification	Confirm
02/22/2023 7:44:46	Operator1	Alarm Severity	Yes
02/22/2023 7:45:03	Operator1	Evacuation Process	Next
02/22/2023 7:45:08	Operator1	Communication	Confirm
02/22/2023 7:45:13	Operator1	Contact Other Services	Confirm
02/22/2023 7:45:15	Operator1	Monitoring	Confirm
02/22/2023 7:45:18	Operator1	Alarm Resolution	Resolve

3. Apprehended

- Contractor
- Engineer Off Site
- Engineer On Site

4. Evacuation Initiated

Select a resolution type

Buttons: Park, Resolve

2. People and Vehicle Counting

Object Count



- People enter the turnstile.
- Vehicles enter the gate.

Real-time Display Data Count



- Simpify Server receives the data from the camera.
- Display the total count of the people and vehicles.

Reporting



- Export the report daily or weekly.

Reference user interfaces of Simpify:




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