Simpnify

Case Studies: Pengerang Terminal advanced built-in 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.

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



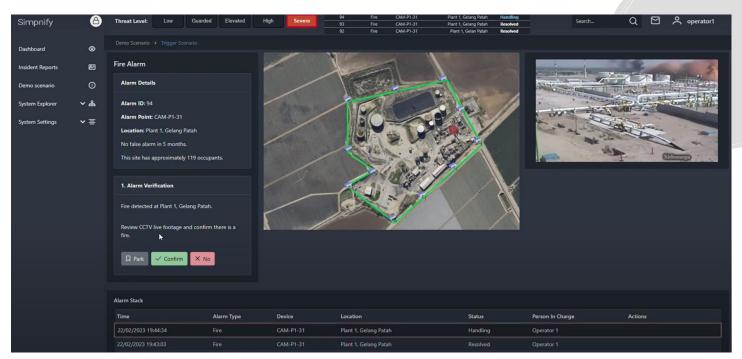
- Simpnify Server receives the alarm.
- Verify the details of fire and smoke detected from the camera.

#### Alarm Resolve

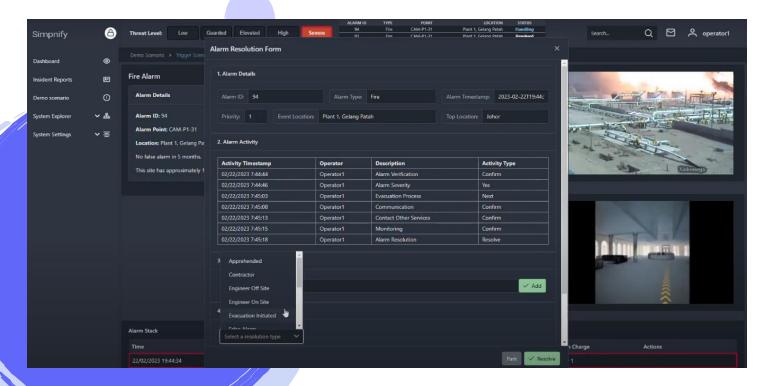


 Fill up the resolution form with the details and action taken.

# Reference user interfaces of Simpnify:







## 2. People and Vehicle Counting

#### **Object Count**





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

## Real-time Display Data



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

#### Reporting



Export the report daily or weekly.



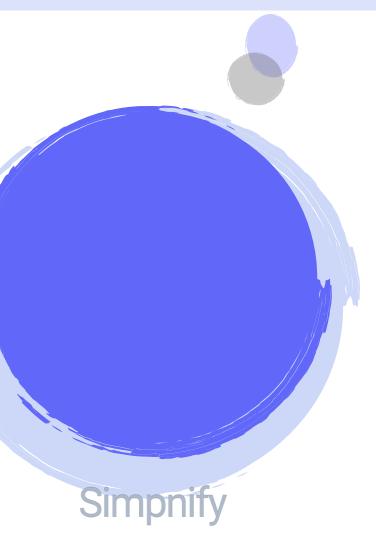
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# Reference user interfaces of Simpnify:





# Simpnify





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