

# **KenVision for MRPL (Refinery) - AI Video Analytics Use Cases**

KenVision transforms existing CCTV infrastructure into an AI-powered refinery intelligence platform, improving safety, security, compliance, and operational efficiency without requiring new cameras.

## **Perimeter Intrusion Detection**

Detect unauthorized entry attempts and generate real-time alerts.

## **Restricted Zone Access Monitoring**

Monitor access to control rooms, tank farms, and hazardous zones.

## **PPE Compliance Monitoring**

Detect missing helmets, vests, gloves, and safety gear.

## **Worker Safety Monitoring**

Identify unsafe behavior and potential safety violations.

## **Vehicle & Gate Management**

Track vehicle entry, exit, and unauthorized movement.

## **Tank Farm Surveillance**

Monitor storage areas for suspicious activity and security breaches.

## **Fire & Smoke Detection**

Provide early warning alerts for fire and smoke incidents.

## **Contractor & Visitor Tracking**

Track movement and compliance of contractors and visitors.

## **Loading Bay Monitoring**

Improve tanker loading efficiency and safety compliance.

## **Incident Investigation**

Search and retrieve video evidence quickly using AI analytics.

## **Occupancy Monitoring**

Track personnel count in operational and emergency zones.

## **Centralized Dashboard**

Unified view of security, operations, alerts, and compliance.