



HSE Assembly Area AI Solution

Smarter Assembly, Better People Safety.

The Assembly Area AI Solution provides real-time monitoring of people and vehicle movement using AI-powered cameras. It accurately counts entry and exit at every access point and displays live occupancy data during emergencies, ensuring safety, compliance, and efficient evacuation management.

Problem Statement

- HSE mandates people safety at all times, especially during emergencies.
- Manual headcounts at assembly areas are time-consuming and prone to errors.
- Difficult to verify that everyone is evacuated during an emergency.
- Multiple entry and exit points make real-time tracking of people and vehicles challenging.
- Existing systems lack AI-based automation and centralized visibility for efficient emergency management.

Solution

- AI-powered cameras accurately count people and vehicles at every entry and exit point.
- Real-time dashboards display live occupancy data at the assembly area for emergency verification.
- Automated alerts notify safety officers of anomalies or unauthorized entries.
- Supports efficient evacuation management, ensuring HSE compliance and personnel safety.
- Provides centralized monitoring, historical reports, and analytics for continuous operational improvement.

Products



AI Device



AI- Software

Architecture

