

REVOLUTIONIZING WORKPLACE SAFETY *with* **AI-BASED VIDEO ANALYTICS**

Leveraging Real-time and Existing Video
for Enhanced Safety Monitoring





Benefits of **AI Based** Video Analytics *for* Safety

Real-Time Threat Detection & Notifications

Instant alerts for PPE violations and unsafe actions, ensuring immediate corrective measures.

Predictive Risk Assessment

AI predicts potential risks such as machine failures, worker fatigue, or recurring unsafe behaviour before accidents happen.

Live Analytics Dashboard

Interactive dashboards with heatmaps, trend analysis, and violation breakdowns help management make data-driven safety decisions.

Cost Savings

Reduced accidents, lower insurance claims, and fewer worker compensation cases lead to significant operational savings.

Regulatory Compliance

Ensures factories comply with industry safety standards and your company standards reducing the risk of accidents or shutdowns.

Faster Emergency Response

Immediate detection of unsafe zones or incidents helps safety officers act quickly and prevent escalation.

Scalable & Flexible

Works seamlessly across multiple cameras, departments, or factory sites—adaptable to your growth needs.

Customizable Alerts & Reports

Tailored notifications and scheduled reports empower managers to focus on the most critical issues.



Use Cases *in* Safety

■ PPE Compliance

Automatic detection of helmets, vests, gloves, boots, and other PPE. Facial recognition identifies defaulters instantly.

■ Proximity to Heavy Machinery

Detect unsafe entry into restricted or danger zones around machines.

■ Speed Detection

Track vehicle speeds on-site and alert when limits are crossed.

■ Zone-Based Monitoring

Different rules for different zones: PPE, no-entry, headcount limits, and safe workflows.

■ Fire & Smoke Alerts

Early detection of fire, smoke, or hazardous fumes with instant alarms.

■ Crowd & Occupancy Management

Monitor maximum occupancy in sensitive areas, prevent overcrowding, and track workforce flow.

■ Unauthorized Access Detection

Identify intruders or unregistered personnel entering the site.

■ Incident Recording & Reports

All detections are logged with images and analytics for audits and compliance reports.



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