



Autonomous Health & Safety (EHS) Inspection Platform

Reduce risk. Prove compliance.

Powered by *VORTEX AI, this platform automates EHS inspections at scale.

- Automated EHS inspections
- Real-time risk detection
- Audit-ready evidence
- Autonomous mobile inspections
- Fast, low-disruption deployment
- Early risk detection (PPE, Fire, Noise, CO₂, Air Quality)
- Automated compliance reporting



*VORTEX is VIVOTEK's AI-Powered cloud-managed security platform designed to unify devices, analytics, and workflows across hybrid environments

Autonomous EHS in Action



Personal Safety

PPE & Unsafe area access



Fire & Electrical

Fire extinguisher
Emergency exit



Environmental

Noise, CO₂, poor lighting,
PM2.5/PM10



Operational Safety

Obstructed walkways;
Equipment overheating



Safety Compliance Platform

End-to-end EHS compliance verification.
Generate digital evidence to support audits and regulatory requirements.



PPE Compliance



Fire Safety



Data Centres

Continuous monitoring of critical environmental conditions.
Detect abnormal heat build-up to reduce operational risks.



Commercial Buildings

Autonomous safety inspections for shared spaces.

Identify evacuation route obstructions, fire safety issues, and facility hazards to support day-to-day building safety management.



Factories

Autonomous EHS inspections for production environments.

Modular sensor architecture and AI models for detecting PPE compliance, fire safety readiness, and environmental hazards.



Environmental Sensings



Evacuation Route Obstruction

Why It Matters

Autonomous Mobility

No manual patrols.
No missed checks.

Fast Deployment

Fast deployment with minimal operational disruption.

EHS Risk Mitigation

Modular inspections for PPE, fire safety, and environmental risks.

Simplified Compliance

Automated reports and digital evidence for audits.



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