



PRODUCT BROCHURE · MOTHER NATURE

HSE Video Analytics — IndustrValytics

Intelligent safety, real-time compliance — PPE detection, fire & smoke detection, intrusion detection, and worker safety monitoring built for the workplace.

95%+

PPE DETECTION ACCURACY

<2 sec

ALERT LATENCY

24/7

CONTINUOUS MONITORING

50% less

SAFETY INCIDENTS (PPE USE CASE)

The problem: Supervisor safety walks happen a few times per shift at best — meaning most PPE non-compliance and unsafe acts happen in the gaps between rounds, invisible until they become an incident report.

WHAT'S INSIDE

Core capabilities

Six ways HSE Video Analytics solves this on day one.

PPE Compliance Detection

Detects helmet, gloves, safety shoes, reflective vest and goggles compliance in real time, using existing CCTV — no new hardware required.

Configurable Alerts & Audit Logs

Configurable alert rules per zone and shift type, with a digital non-compliance log per operator for audit evidence.

Fire & Smoke Detection

Multi-point real-time flame and smoke analysis across multiple zones simultaneously — faster than traditional point sensors.

Works With Existing Infrastructure

Reuses existing CCTV infrastructure — edge and cloud ready, ERP/SAP integrated, and capable of offline operation.

Intrusion & Restricted-Zone Detection

Monitors blast zones, HV panels, chemical storage, and confined spaces for unauthorized entry.

Oil & Chemical Spill Detection

Continuous floor-surface monitoring for oil, acid, coolant and water spills in real time.

Why IIOT Infotech

CMMI Level 3 process maturity, 50+ enterprise clients, and a full product suite owned end to end — no third-party stitching. Most engagements go live with a working pilot in 4-8 weeks, not a multi-quarter rollout.

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