



Industrial Safety & Security Solution

Powered by DeeperLook™ AI & DL Framework



SECURING WORKPLACE, WORKFORCE AND OPTIMISING PRODUCTIVITY

Occupational Safety and Health (OSH) involves anticipating and controlling hazards arising within the premises that could affect employees, surrounding communities and the environment. Industrialisation is increasing rapidly and so is the importance of the Safety, Health and Environment (SHE) within organisations. Businesses the world over are struggling to reduce safety hazards despite investing considerable efforts in creating and complying with safety policies and procedures. And with the new challenge posed by COVID-19, industry now needs to adopt special pandemic management tools as part of OSH management.

As per the International Labour Organisation, nearly 2.8 million workers die each year from occupational hazards and work-related diseases. An additional 374 million workers suffer from non-fatal occupational accidents. The workdays lost because of accidents cost as much as 4% of the world GDP. Apart from the OSH-related concerns, organisations are facing other challenges such as violence, terrorism, worker agitations, disgruntled employees, theft and pilferage.

Most organisations deploy video surveillance systems primarily for surveillance monitoring and post-facto analysis. But given the humongous amount of data, a majority of the video goes unseen and the very nature of the video surveillance approach is reactive. Analytics based on Artificial Intelligence and Deep Learning technology can analyse video streams to detect anomalies defined in the video analytics rule with the highest accuracy, and can also generate an instant alert.



“ It is the moral and legal responsibility of business to provide safe and secure workplaces. ”

FROM THE PIONEER IN THE FIELD OF AI & DL TECHNOLOGIES

Videonetics Industrial Safety & Security Solution is built on DeeperLook™ a powerful and highly adaptive framework. The solution can be deployed in any industry vertical - from Food Processing to Pharma, Oil and Gas, Heavy Industries, Refineries, Automobiles, Cement and Chemicals. It also caters to the service sector including Warehousing, Transportation, Aviation, Construction, Mining, Ports and Hospitality. The solution helps you:



Ensure the safety of your workforce, workplace and environment



Anticipate and pre-empt compensation liability risk



Train the software with your site-specific data



Detect anomalies in real time - accurately, proactively, cost-effectively



Run your operations smoothly and productively





KEY APPLICATIONS

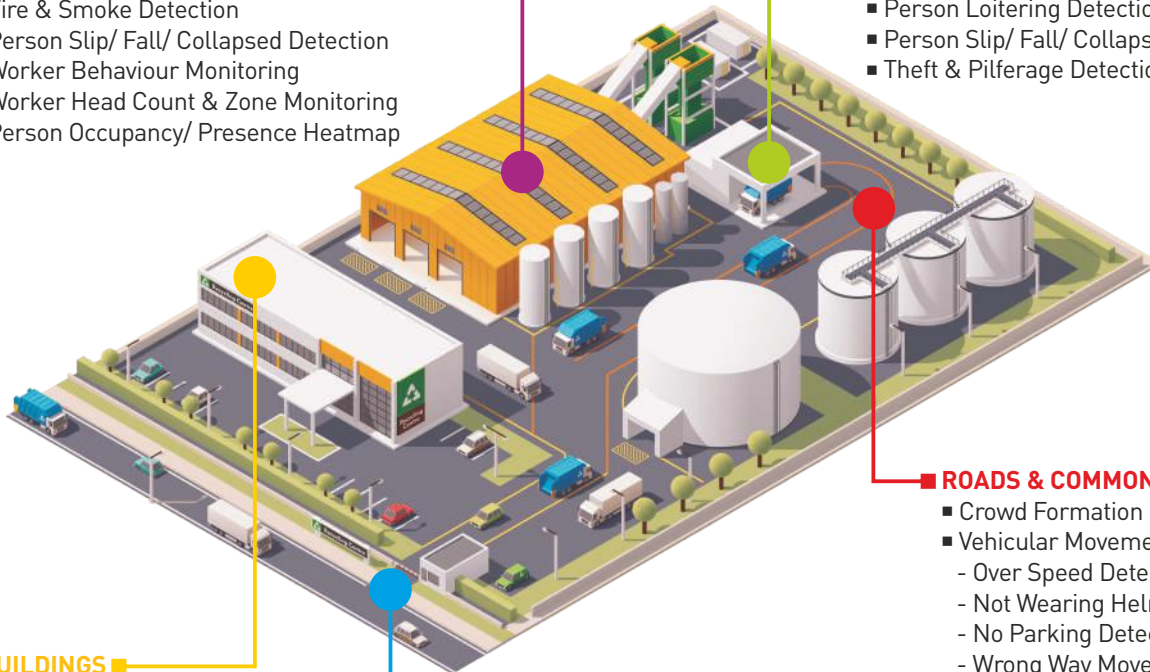
The solution offers a variety of analytics for 360° coverage of the plant premises for safety, security and forensic investigation. The following illustration showcases how the DeeperLook™ analytics can be deployed in various parts of a typical processing plant.

PROCESS AREAS & SHOP FLOORS

- Personal Protection Equipment Detection
 - Safety Helmet
 - Safety Jacket/ Vest
- Fire & Smoke Detection
- Person Slip/ Fall/ Collapsed Detection
- Worker Behaviour Monitoring
- Worker Head Count & Zone Monitoring
- Person Occupancy/ Presence Heatmap

WAREHOUSE & UTILITY AREAS

- Unauthorised Entry/ Intrusion Detection
- Vehicular Entry/ Exit Monitoring
- Fire & Smoke Detection
- Person Loitering Detection
- Person Slip/ Fall/ Collapsed Detection
- Theft & Pilferage Detection



OFFICE BUILDINGS

- Access Control with Facial Recognition
- VMS & Access Control Integration
- VMS & Fire Alarm System Integration
- Emergency Exit Blocked Detection

PERIMETER & GATES

- Perimeter Intrusion Detection
- VMS & PIDS Integration
- Vehicle Entry & Exit Monitoring
- Access Control with Facial Recognition
- Crowd Formation Detection
- Tailgating Detection
- Traffic Congestion Detection
- No Parking Detection

ROADS & COMMON AREAS

- Crowd Formation Detection
- Vehicular Movement Management
 - Over Speed Detection
 - Not Wearing Helmet Detection
 - No Parking Detection
 - Wrong Way Movement Detection
 - No Seat Belt Detection
 - Driver Using Phone Detection
 - Traffic Congestion Detection
 - Heatmap of Vehicular Movements

MULTIPLE BENEFITS

Achieve zero safety hazard goal. Enjoy high RoI and transform video surveillance into a proactive, actionable and cost-effective activity.

- Detect various safety and security related anomalies
- Proactively monitor safety compliances
- Ensure focused and targeted training to employees
- Pinpoint accountability in case of safety lapses
- Investigate safety and security incidents
- Export digital evidence

POWERED BY
ARTIFICIAL INTELLIGENCE

PRESENTING
[SAJAG] World's First Video Analytics Based Pandemic Management Suite

Safeguard your employees against COVID-19 through 24x7 monitoring of your factory & office complex. Get real time alerts to ensure compliance with precautionary guidelines.

- Social Distancing Management
- Queue & Crowd Management
- Detection of Face Masks & PPE
- Integration of Body Temperature Detection Camera



Making the world
a safer, smarter, happier place.

Videonetics's Unified Video Computing Platform™ helps you make sense of surveillance, by providing you with an end-to-end solution for a wide range of applications. The platform is powered by our Artificial Intelligence and Deep Learning engine, which is trained on humongous data sets, making our solutions incredibly robust and smart. All our products and solutions are integrated yet modular, ONVIF compliant, OS and hardware agnostic, scalable and interoperable.

Videonetics has been ranked #1 Video Management Software provider in India, and among the top 5 in Asia (OMDIA Informa Tech 2021). We remain driven by innovation, and committed to making the world a safer, smarter, happier place.

Providing an end-to-end solution for a wide range of applications

 Intelligent VMS	 AI Enabled Video Analytics	 Facial Recognition	 Intelligent Traffic Management System	 VCPaaS™ Video Computing Platform as a Service
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Technology leader across verticals, in different parts of the world

 CITIES & NATION	 AVIATION & TRANSPORTATION	 COMMERCIAL BUILDINGS	 INDUSTRIAL	 FINANCIAL & LEGAL	 EDUCATION	 CRITICAL INFRASTRUCTURE
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