WORKPLACE SAFETY AND SECURITY FOR INDUSTRIAL AND MANUFACTURING FACILITIES

viisights
Intelligence by vision

Enhance Safety with Intelligent Behavioral Recognition Video Analytics

Workplace injuries put employees' morale, company reputation, and productivity at high risk. The practices in use today to increase safety at industrial and manufacturing facilities are with adequate training of workers in standard operating procedures, and with heightened supervision.

However, having dedicated "live" safety supervisors to monitor workers and processes 24/7 is costly and less effective, especially in factories, which are large areas with many moving parts.

Utilizing existing video security cameras, viisights AI-driven video understanding technology automatically detects pattern behaviors of interest in processes, worker activity, and environment hazards both automatically and autonomously. When an event of interest is detected, designated personnel are immediately alerted to proactively help prevent the safety violation from happening or escalating further.

Hazard detection

Person abandons an object

Workplace Violence

Workplace accidents detection and injuries prevention

The top causes for industrial & manufacturing workplace injuries are STFs (Slips, Trips & Falls), being hit by moving machinery, and exposure to hazardous materials. The ability to detect a falling person in real-time, and summon immediate first aid, can reduce long-term injuries and help prioritize improved safety measures going forward.

viisights intelligent video analytics provide real actionable intelligence. This high level of video understanding is accomplished by learning to distinguish between common occurrences like a person tying their shoelaces versus falling to the ground, or items moving smoothly on a conveyor belt versus piling up.

viisights behavioral recognition detections use cases span over a wide range of industrial & manufacturing applications:

ENVIRONMENT AND LIFE SAFETY

✔ Hazard Detection

✔ Smoke & Fire

SECURITY THREATS

✔ Violence Detection

✔ Weapon Detection

✔ Vandalism Detection

✔ Tailgating

PROCESS & PRODUCTION MONITORING

✔ Misplaced Equipment

✔ Blocked Warehouse Aisles

✔ Behavioral Workflow Monitoring For Person and/or Vehicle

SAFETY

✔ Vehicle/Person in Hazardous Areas

✔ Person to Person Proximity

✔ Crowd Density

✔ Person Smoking

✔ A Person Close To Moving Vehicle

✔ Person/Vehicle is moving In wrong direction

UNUSUAL PERSONAL BEHAVIOR

✔ Person laying On The Ground

✔ Person Falling

✔ Person Running

WORKER COMPLIANCE

✔ PPE Detection

✔ Face Masks Detection