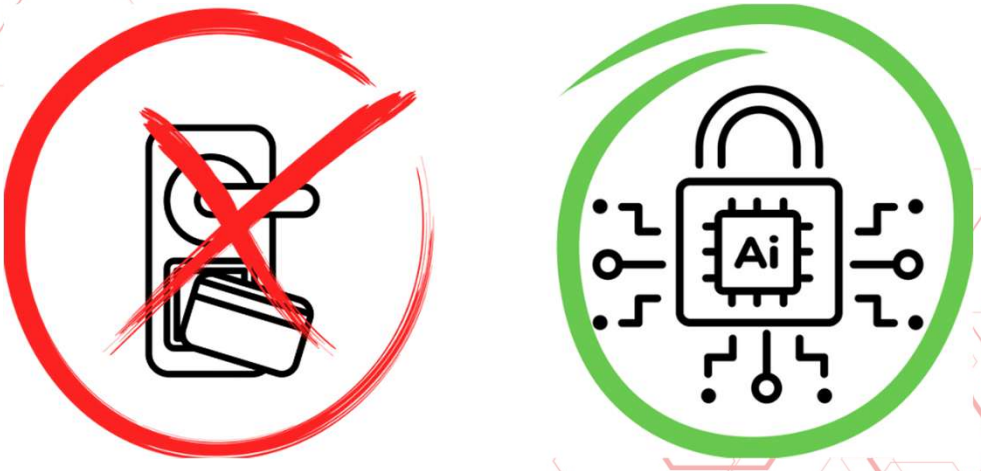
AI and the intersection of Security and Safey

Enhancing Workplace Safety in Construction, Manufacturing, & Distribution

Presented by SECOM

1

AI is the Future of Security



2

What Is An AI Camera System?

- Embedded machine learning & computer vision
- Real-time analysis of video streams
- Delivers immediate alerts and actionable insights

3

Core Benefits for Safety Officers

Rapid Analysis

Decision: Passed

Audible Response:
The fuel container should be moved away from the work area. (No audio generated per cooldown period)

Full Analysis

Description:
A construction worker is using a power saw to cut through metal rebar. Sparks are flying from the saw. A red gas can is sitting nearby. The worker is wearing safety gear, including a hard hat, safety vest, and long-sleeved shirt. The background shows a building and dirt.

Objects

Person ✓

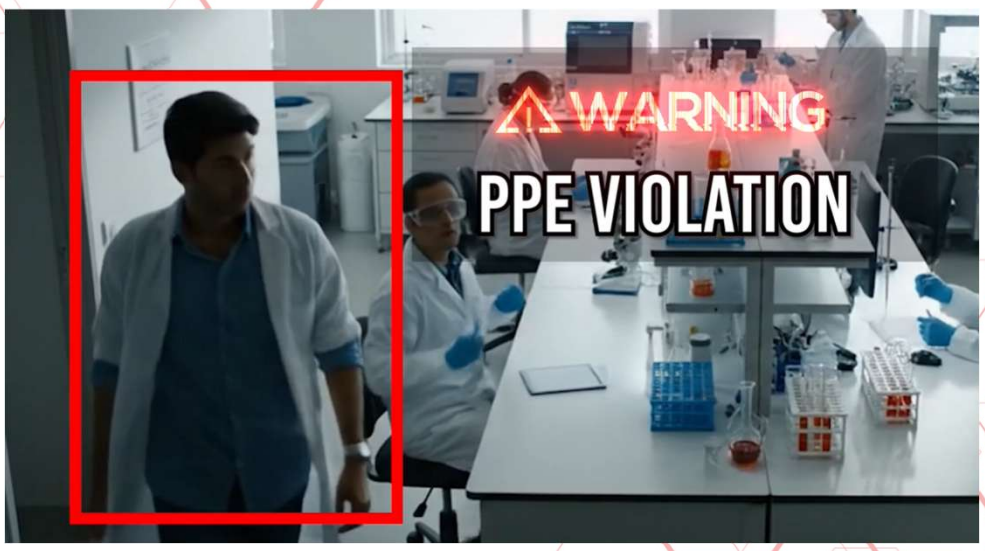
Events

OSHA Violations — The gas can is too close to the work area and could be a fire hazard.

Scene Description — A construction worker is using a power saw to cut through metal rebar. Sparks are flying from the saw. A red gas can is sitting nearby. The worker is wearing safety gear, including a hard hat, safety vest, and long-sleeved shirt. The background shows a building and dirt.

4

Enhancing Incident Response



5

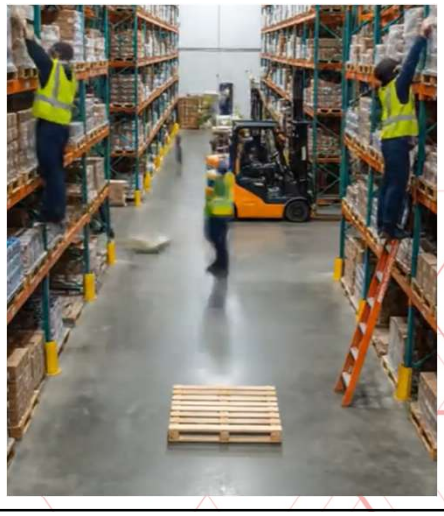
General Contractors

- Fall detection on scaffolding and elevated work zones
- Monitoring vehicle-pedestrian interactions
- PPE compliance
- Zone access control in hazardous areas

6

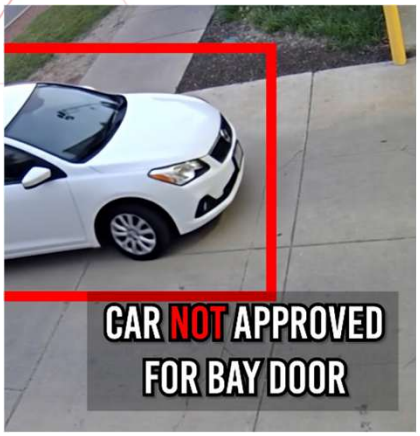
Manufacturing Facilities

- Forklift proximity warnings Machine zone safety violation alerts
- Visual fire/smoke detection in restricted areas
- Monitoring lockout/tagout and equipment access



7

Distribution Centers



- Tracking pedestrian vs equipment movement
- Ensuring safe loading/unloading operations
- Alerts for blocked emergency exits
- Slip & trip detection in aisles and docks

8

AI is the Intersection of Safety, Security, & ROI

Previous Play 1x Next

Session: 1741362227222532 EventID: 1741362227670918
Timestamp: 3/7/2025, 10:43:47 AM 1 frames Re-Analyze

Descriptions & Errors

Rapid Analysis:
A person is attempting to enter a vehicle, which could be a potential break-in.

Full Analysis:
The scene shows a white van parked on the side of a road near a building. A person wearing a gray hooded sweatshirt, blue jeans, and gray shoes is standing beside the van. The person appears to be interacting with the driver s side door. The van has a ladder rack on top and a logo on the side that says ARCHITECTS . The environment around the van includes a concrete area, grass, bushes, a fire hydrant, and a building. There is a second vehicle visible at the top left of the van. The sky is overcast.

Objects

Objects only matched in a Full Analysis

Talk Down Response AI Voice

"Hey, you in the gray hoodie and jeans, I can see you. Stop what you are doing. The police are on their way and will be there in under 90 seconds. I can see you. Hey, t en la sudadera con capucha y los jeans grises, puedo verte. Detente. La polica est en camino y estar all en menos de 90 segundos. Puedo verte."

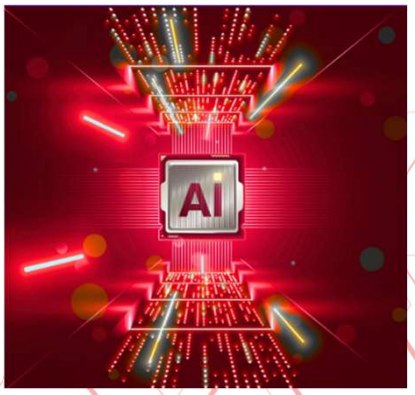
Tags

Fighting false

9

Integration & Scalability with Camera AI Systems

- Compatible with existing equipment
- Cloud or on-premise AI deployment
- Scalable for single-site or enterprise-level use



10

11

What Can AI Security Do For You?

- Safety is constantly evolving—AI is the next frontier
- Secom AWARE doesn't just record—it protects

Contact Us

301-210-0022 (Washington DC Area)

410-309-9911 (Baltimore Area)

Email: **tgriffin@secomllc.com**

12

Question from Travis?

13