



Engineered by **Webclues Infotech**



# Empowering Instant Action

# Revolutionizing industrial security with AI-driven solutions



# Types of AI Alerts

| Priority                                                                                                          | Productivity                                                                                                     | Safety & Hygiene Compliance                                                                                  | Security                                                                                                                       | Monitoring                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
|  Fire Hazard detection           |  Person Sleep Detection         |  PPE Kit - Mask Detection |  No Guard Detection                         |  Automatic Number Plate Recognition   |
|  Smoke Detection                 |  Mobile Usage Detection         |  PPE Kit - Head Detection |  Access Block Detection                     |  Object Missing Detection             |
|  Camera Masking                  |  Idle Person Detection          |  Helmet Detection         |  Gate Open-Close Detection                  |  Loading-Unloading Counts (Box/Drums) |
|  Camera Malfunction             |  People Gathering Detection    |  Glove Detection         |  Unauthorized Access (after working hours) |  Head Count                          |
|  Intrusion (Polyline/ Polygon) |  Face Recognition & Tracking  |  Goggles Detection      |  Fight Detection                          |                                                                                                                          |
|                                                                                                                   |  No Operator at Machine       |  Beard Detection        |  Weapon Detection                         |                                                                                                                          |
|                                                                                                                   |  Machine Start-Stop Detection |  Spillage Detection     |  Object Throw Detection                   |                                                                                                                          |
|                                                                                                                   |                                                                                                                  |  Spitting Detection     |                                                                                                                                |                                                                                                                          |
|                                                                                                                   |                                                                                                                  |  No Sleeve Detection    |                                                                                                                                |                                                                                                                          |

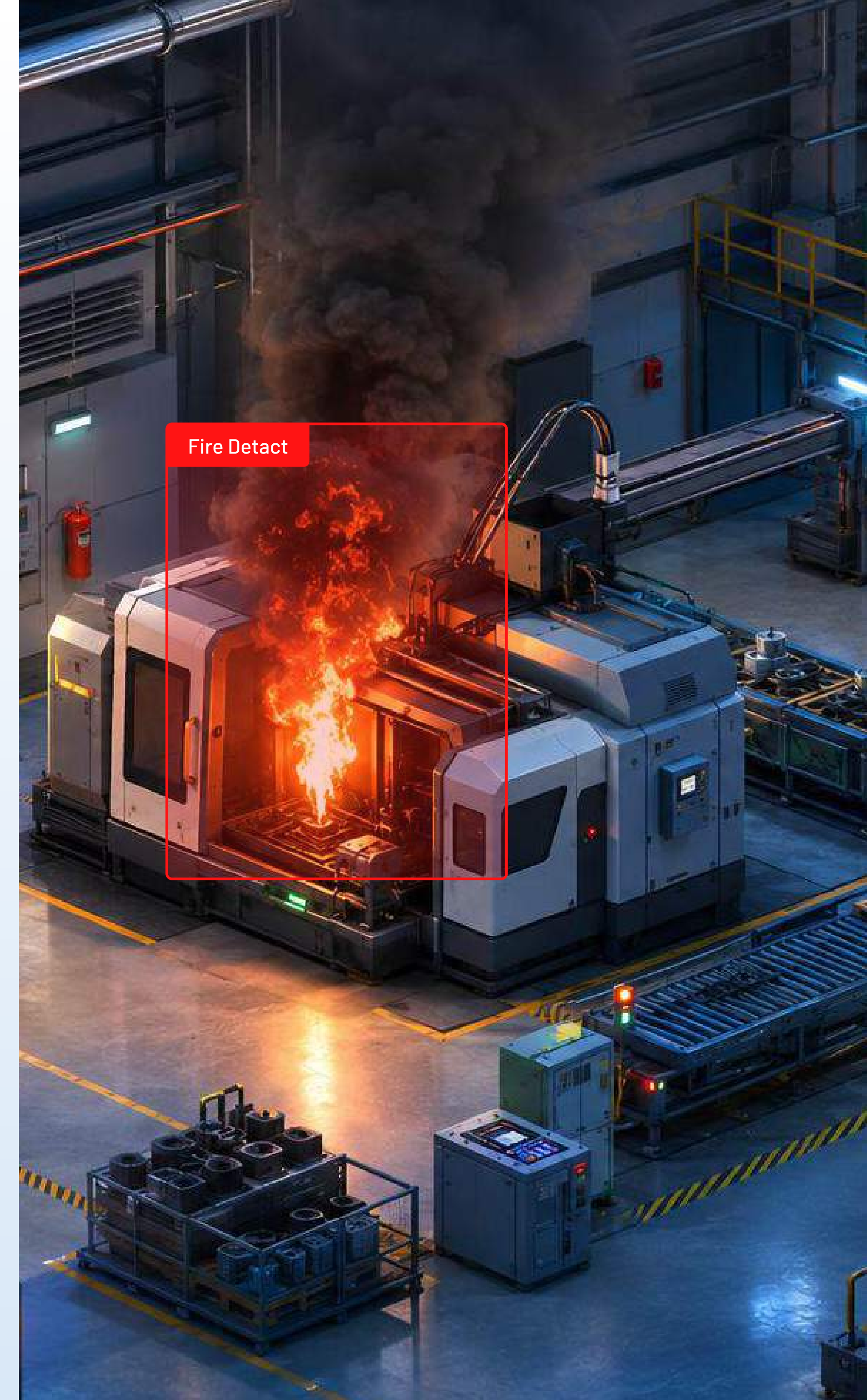


# Fire Detection

Detects fire instantly through AI-powered camera analysis to prevent hazards and keep your industrial premises safe before it escalates.

## Benefits

-  Early Fire Detection Before It Spreads
-  Instant Alert To The Right Personnel
-  Prevents Loss Of Life, Equipment, And Property
-  Reduces Dependence On Manual Fire Watches





# Fire Detection



# Fire Detection





# Fire Detection



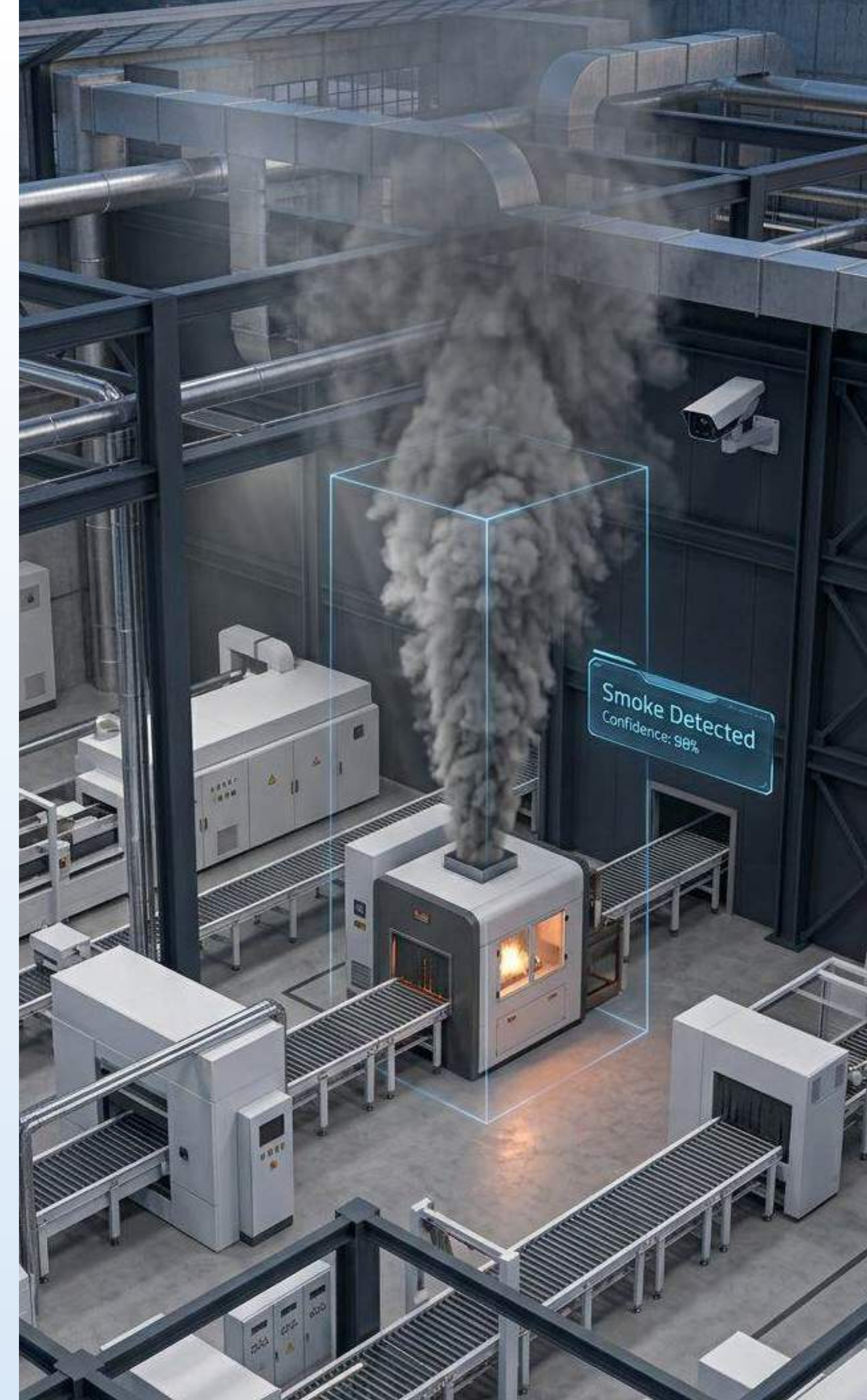


# Smoke Detection

Identifies smoke at the earliest stage — even before flames appear — giving your team critical extra minutes to respond and evacuate.

## Benefits

- 🔔 Detects Smoke Invisible To The Naked Eye At A Distance
- 🔔 Earlier Warning Than Traditional Smoke Detectors
- 🔔 Prevents Fire From Going Unnoticed In Blind Spots
- 🔔 Prevents Fire From Going Unnoticed In Blind Spots





# Smoke Detection





# Smoke Detection



# Smoke Detection



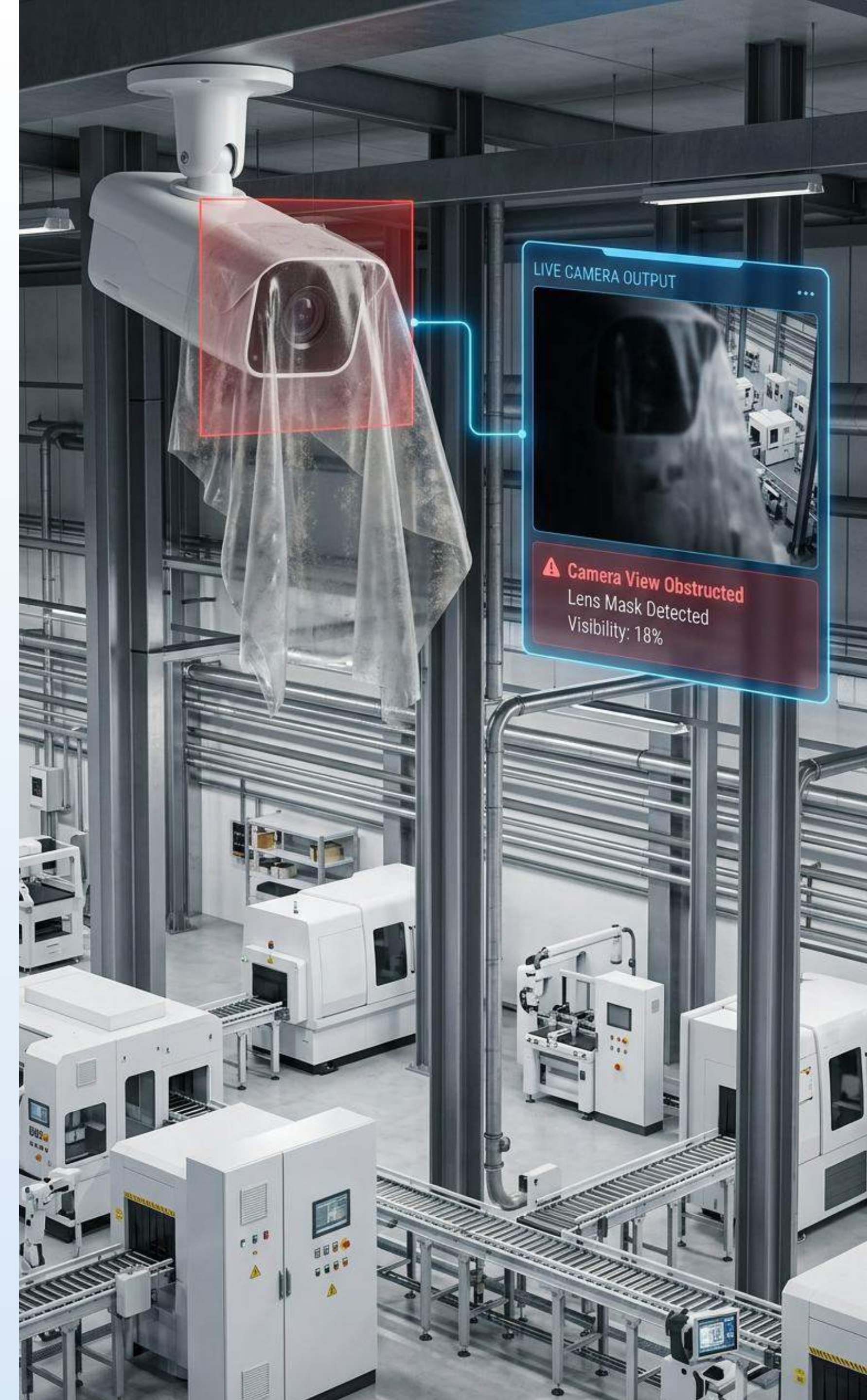


# Camera Masking

Detects when a camera is deliberately covered, blocked, or tampered with – ensuring your surveillance network is never compromised.

## Benefits

-  Immediate Alert On Deliberate Tampering
-  Prevents Security Blind Spots
-  Strengthens Accountability And Deterrence
-  Protects Integrity Of Your Surveillance System





# Camera Masking





# Camera Masking



# Camera Tampering

Detects any deliberate attempt to tamper with, reposition, obstruct, or vandalize a camera in real time – ensuring your surveillance network remains fully operational and no blind spots are created intentionally.

## Benefits



Instant Alert On Any Tampering Or Obstruction Attempt



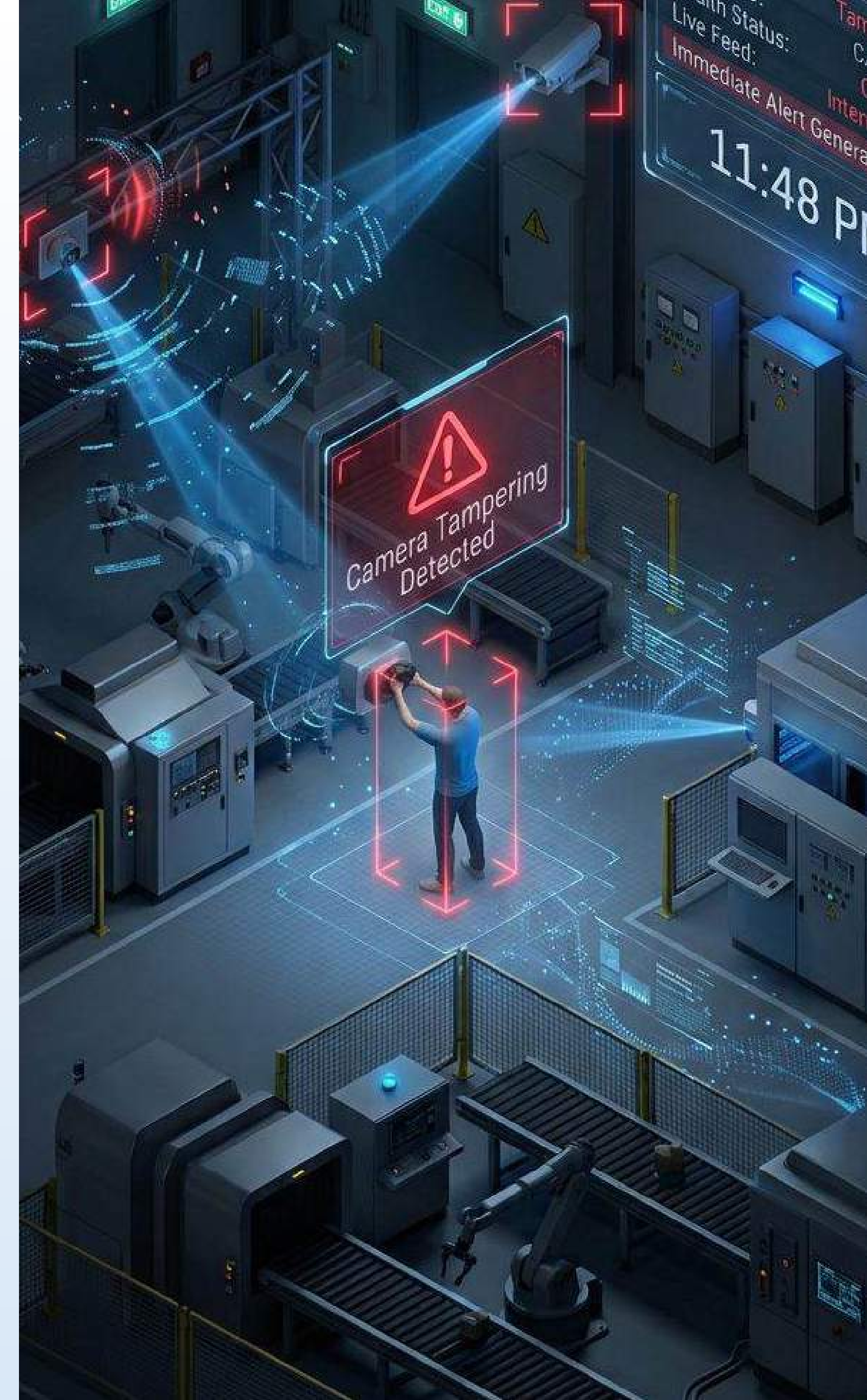
Prevents Deliberate Sabotage Of Your Security Network



Ensures Zero Blind Spots Across Your Facility At All Times



Provides Visual Evidence Of Tampering For Disciplinary Or Legal Action





# Camera Tempering

Before



After





# Intrusion (Polygon)

Automatically identifies cameras that go offline, are obstructed, or stop functioning — so your security team is never caught off guard.

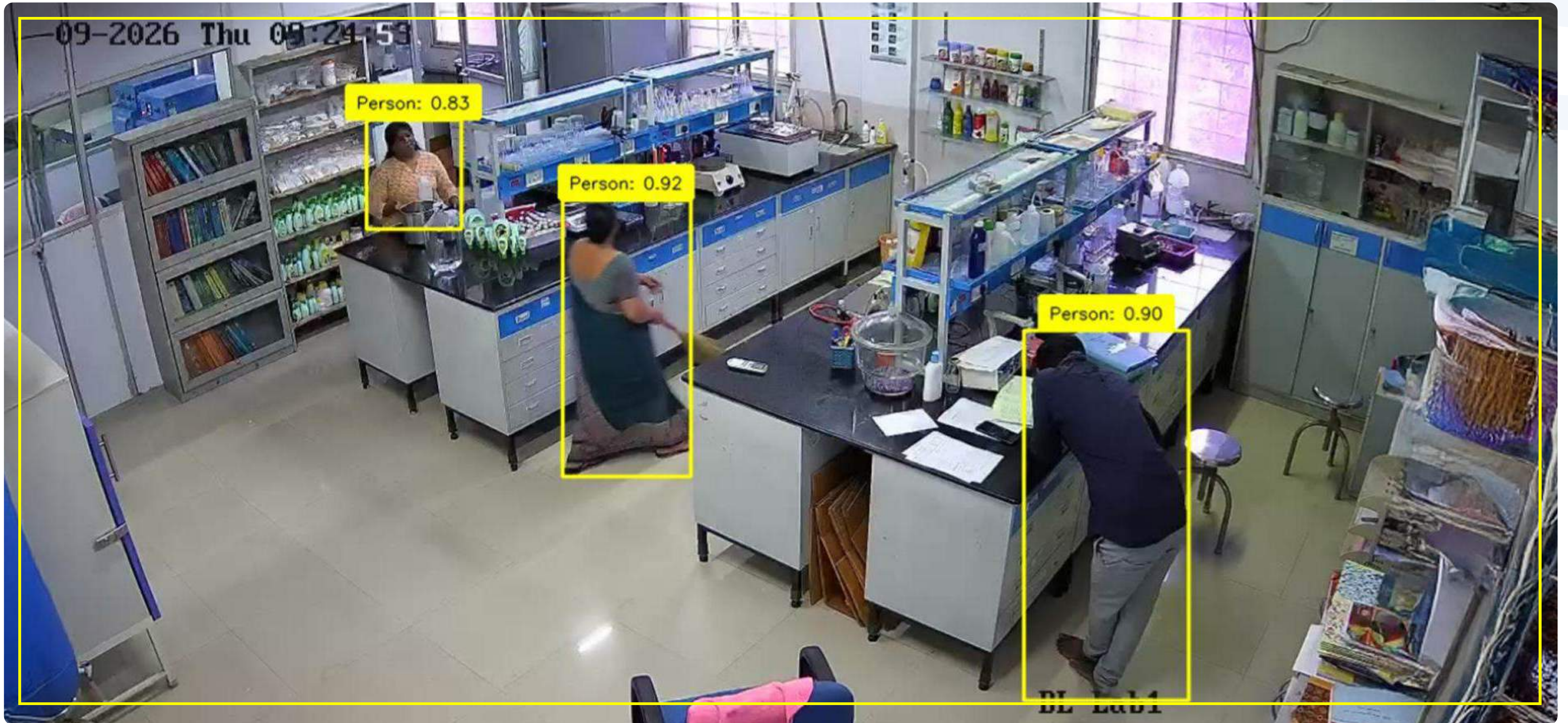
## Benefits

-  Real-Time Notification Of Camera Downtime
-  Ensures 100% Surveillance Uptime
-  Reduces Manual Camera Health Checks
-  Prevents Unmonitored Zones Across Your Facility





# Intrusion (Polygon)





# Intrusion (Polygon)





# Intrusion (Polyline)

Automatically identifies cameras that go offline, are obstructed, or stop functioning — so your security team is never caught off guard.

## Benefits

-  Real-Time Notification Of Camera Downtime
-  Ensures 100% Surveillance Uptime
-  Reduces Manual Camera Health Checks
-  Prevents Unmonitored Zones Across Your Facility





# Intrusion (Polyline)



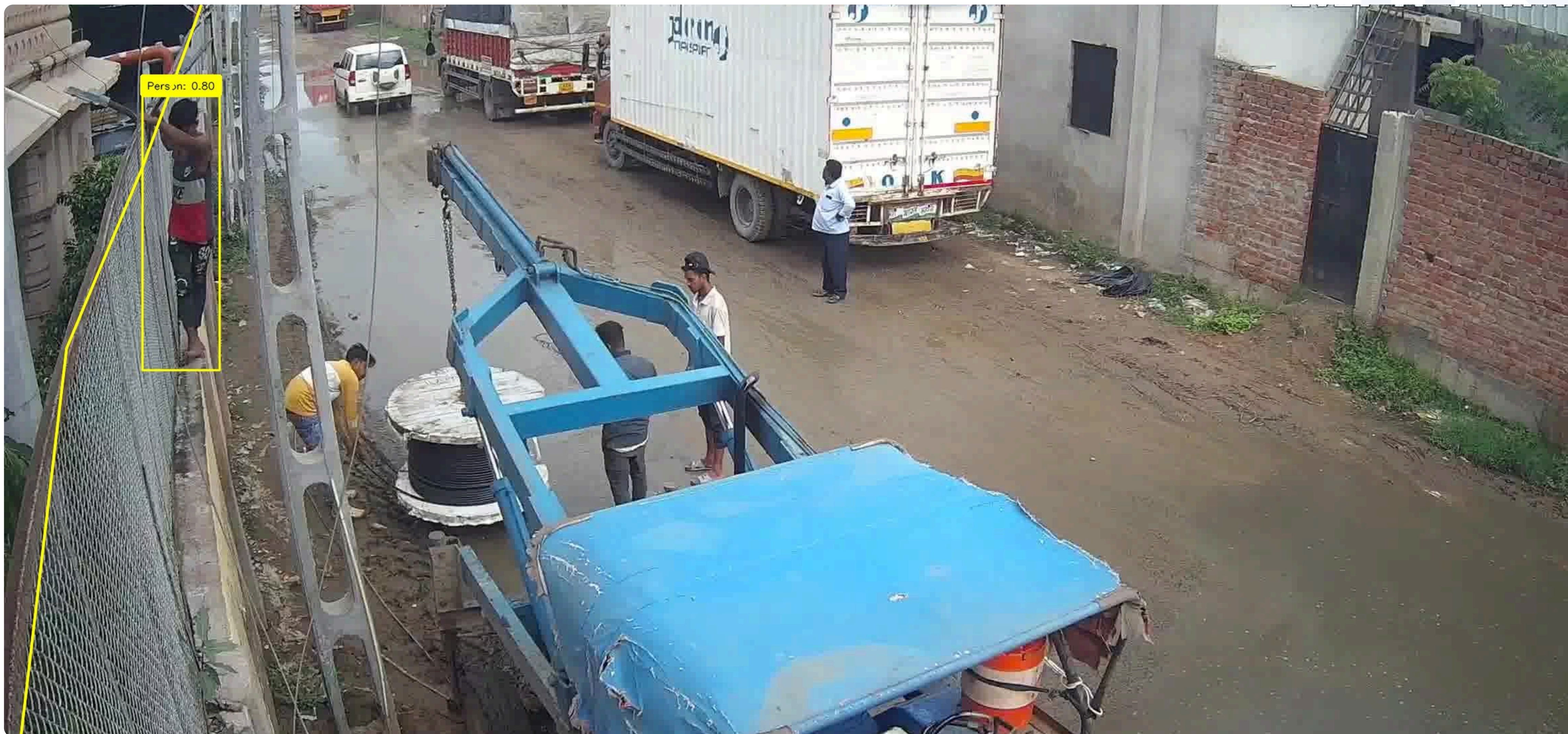


# Intrusion (Polyline)





# Intrusion (Polyline)





# No PPE Kit Mask

Detects workers not wearing a face mask in areas where it is mandatory – ensuring hygiene and safety compliance without manual supervision.

## Benefits

- 🔔 Enforces Mask Compliance Automatically
- 🔔 Reduces Risk Of Contamination And Respiratory Hazards
- 🔔 Instant Alert To Supervisor For Corrective Action
- 🔔 Maintains Audit-Ready Compliance Records



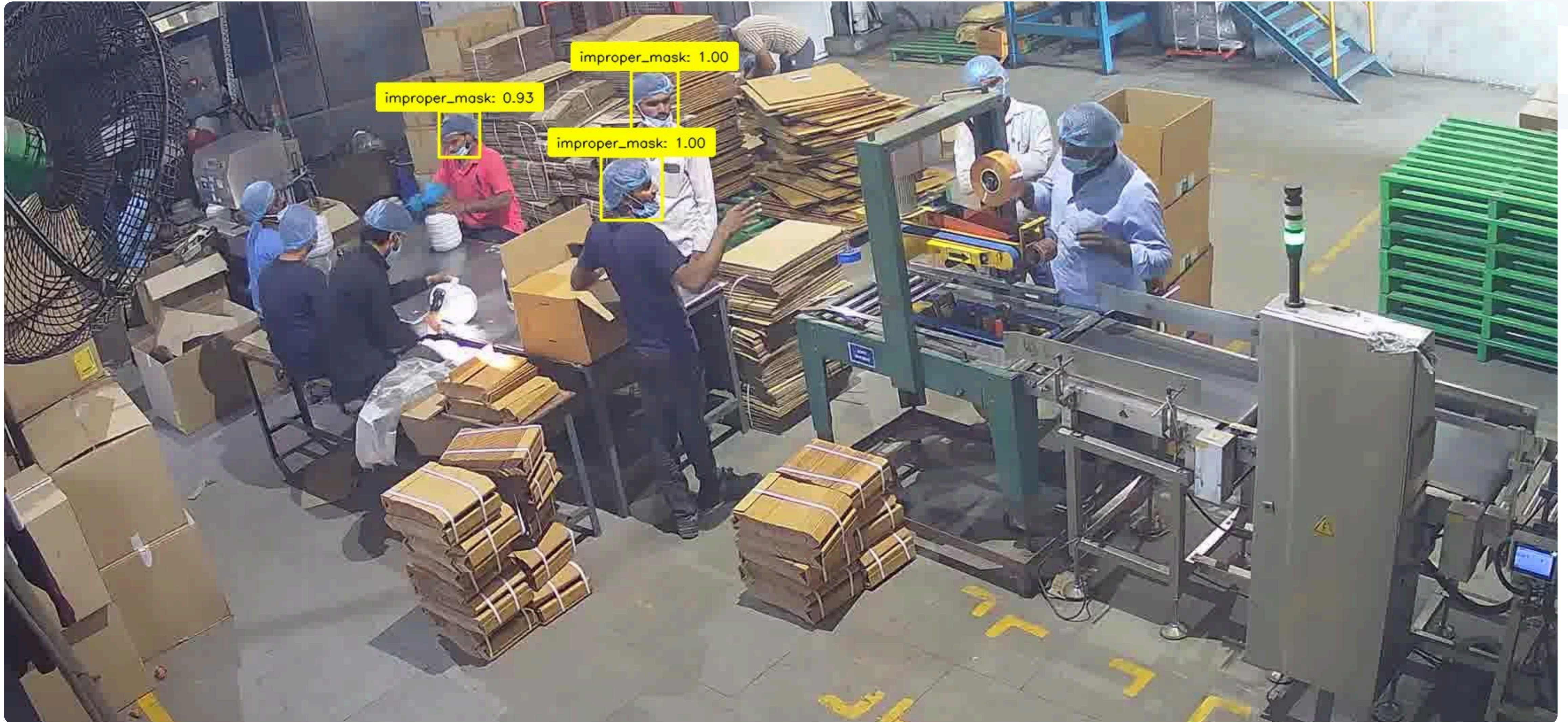


## No PPE Kit Mask





## No PPE Kit Mask





# No PPE Kit Head

Identifies workers not wearing the required head covering – ensuring hygiene standards are maintained especially in food, pharma, and clean room environments.

## Benefits

-  Automated Hygiene Compliance Monitoring
-  Prevents Contamination Of Products Or Workspaces
-  Reduces Manual Floor Checks
-  Supports Regulatory And Quality Audits



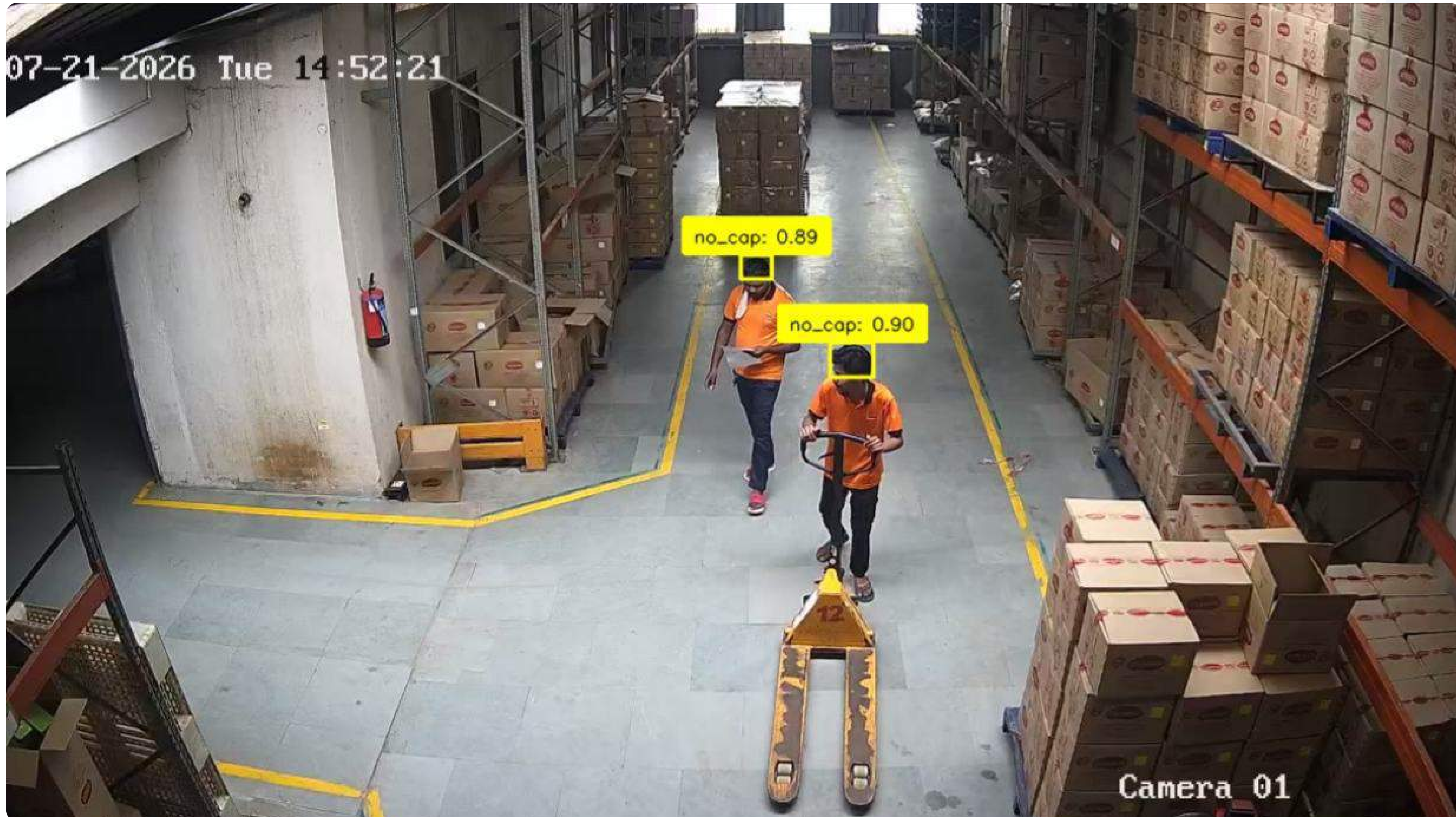


## No PPE Kit Head



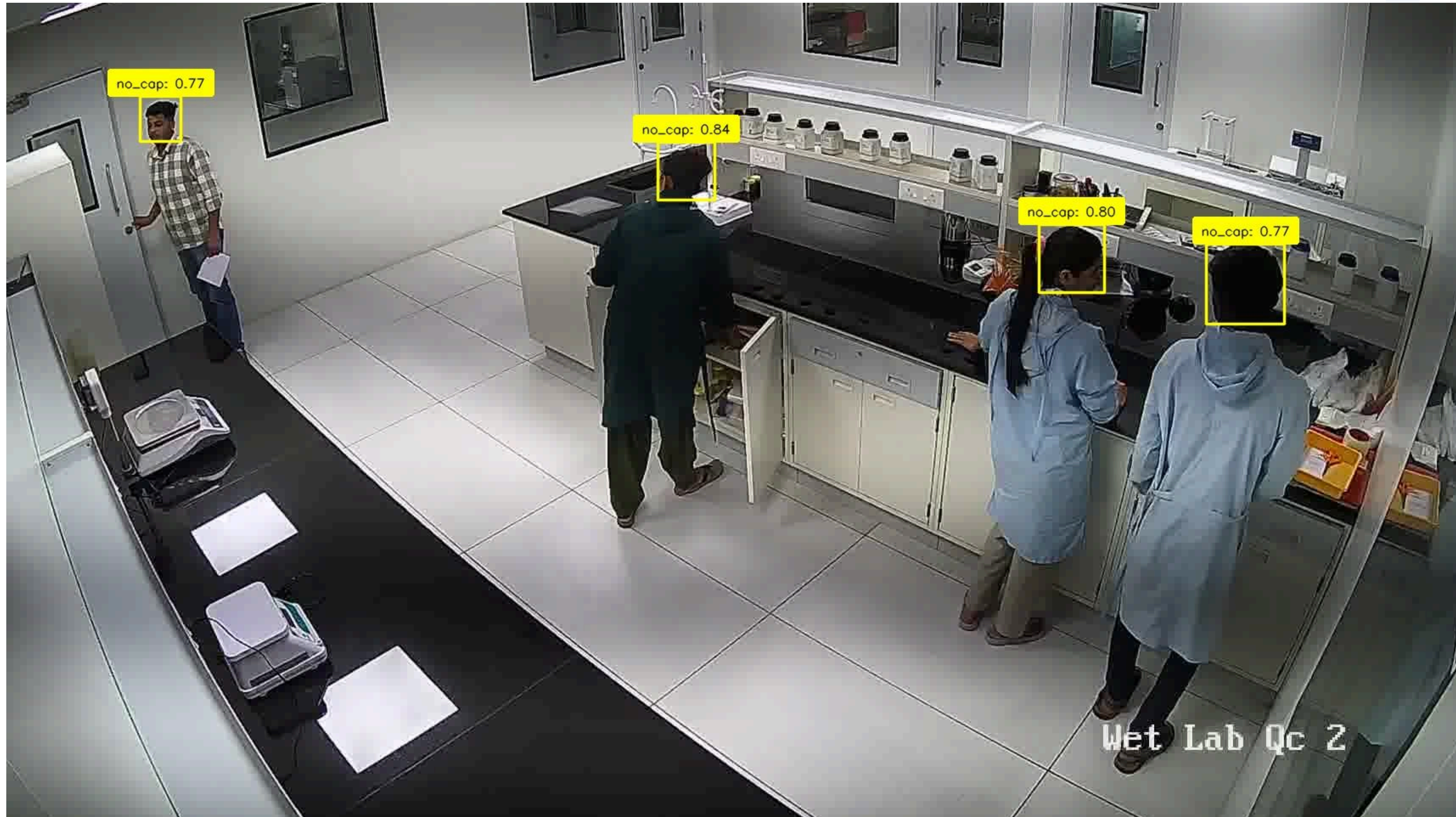


## No PPE Kit Head





# No PPE Kit Head





# Spitting Detection

Identifies spitting incidents within the premises – enabling immediate action to uphold hygiene standards and workplace discipline.

## Benefits

-  Enforces Hygiene And Conduct Policies
-  Prevents Spread Of Infections
-  Supports Disciplinary Action With Visual Evidence
-  Critical For Food, Pharma, And Public Facilities





# Spitting Detection





# Spill Detection

Detects liquid or chemical spillage on the floor in real time – triggering an immediate alert to prevent slip hazards, contamination, or dangerous reactions.

## Benefits

-  Prevents Slip And Fall Accidents Instantly
-  Early Detection Of Chemical Or Liquid Spills
-  Reduces Risk Of Fire Or Chemical Reactions
-  Faster Response Time For Cleanup And Containment





# Spill Detection





# Spill Detection





# No Sleeve Detection

Detects workers with exposed arms in areas requiring full sleeve coverage — ensuring protection against burns, chemicals, or machine hazards.

## Benefits

-  Prevents Skin Exposure To Hazardous Materials
-  Enforces PPE And Uniform Policies Automatically
-  Instant Supervisor Alert For Corrective Action
-  Reduces Workplace Injury Risk





# No Sleeve Detection





# Beard Detection

Identifies workers with uncovered beards in food processing, pharma, or clean room environments – helping maintain hygiene and product safety standards.

## Benefits

-  Enforces Hygiene Policy In Sensitive Areas
-  Prevents Product Contamination
-  Supports Food Safety And Regulatory Compliance
-  Reduces Manual Hygiene Checks On The Floor



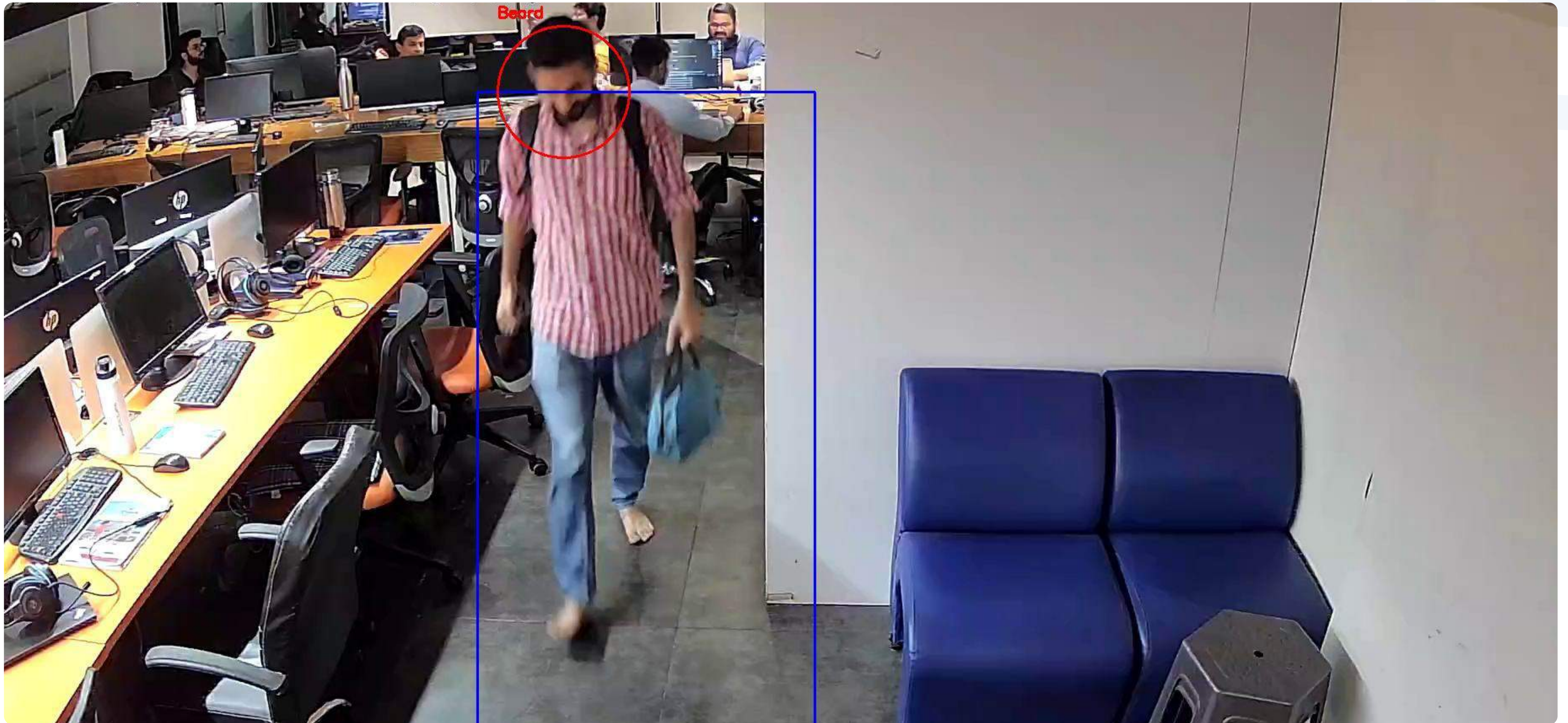


# Beard Detection





# Beard Detection





# No Helmet

Detects workers entering hazardous zones without a helmet – triggering an instant alert before an accident occurs.

## Benefits

- 🔔 Prevents Head Injury In High-Risk Areas
- 🔔 Enforces Safety Compliance Automatically
- 🔔 Reduces Dependence On Manual Safety Officers
- 🔔 Builds A Culture Of Safety Accountability





# No Helmet





# No Helmet





# Sleeping Detection

Identifies workers who are sleeping or inactive on the job – helping supervisors address productivity and safety risks in real time.

## Benefits

-  Prevents Accidents Caused By Drowsy Workers
-  Improves Shift Discipline And Accountability
-  Instant Supervisor Notification
-  Reduces Production Downtime From Inattentiveness





# Sleeping Detection





# Sleeping Detection





# Sleeping Detection





# Mobile Detection

Detects unauthorized mobile phone usage on the shop floor or restricted areas — helping enforce workplace policies without manual supervision.

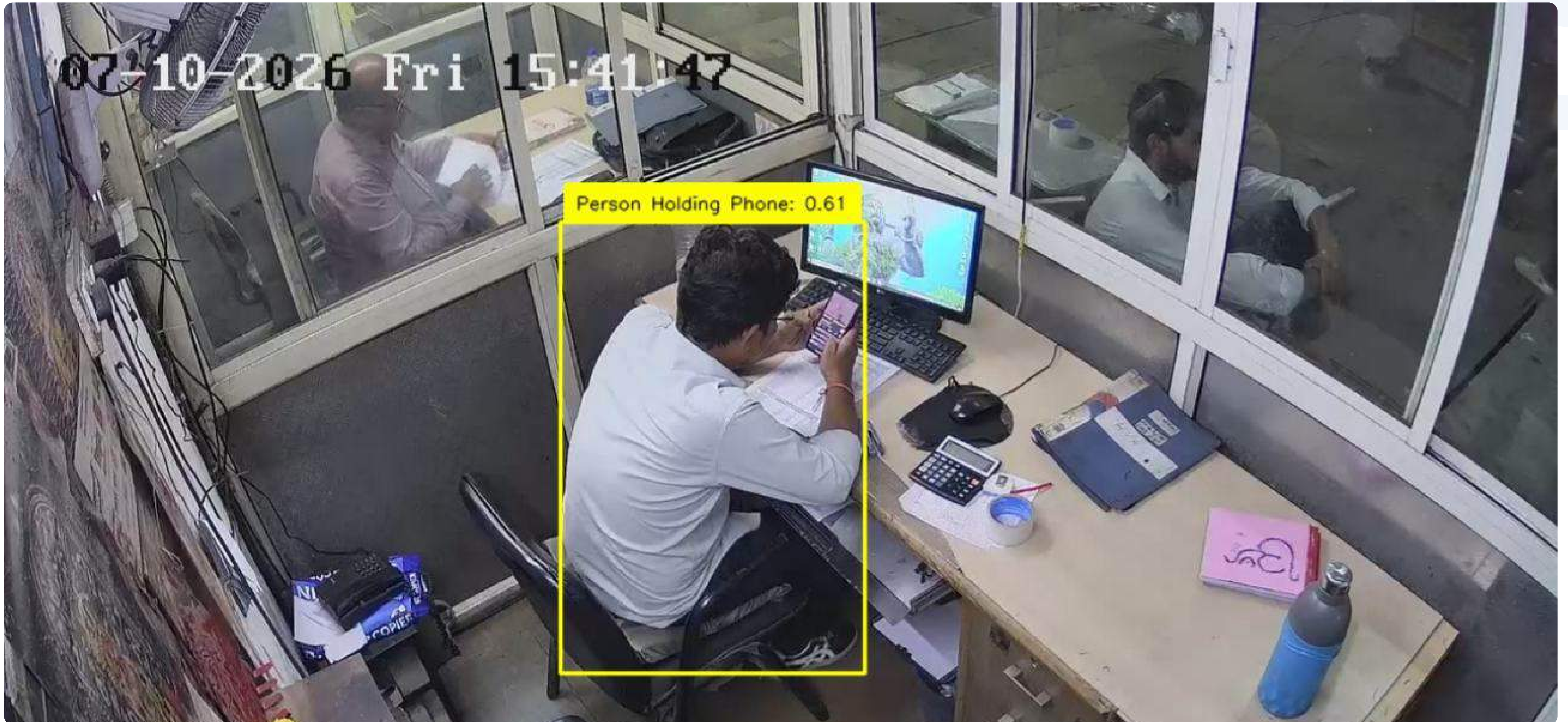
## Benefits

-  Enforces No-Phone Policies Automatically
-  Reduces Distraction-Related Accidents
-  Improves Focus And Productivity On The Floor
-  Eliminates Need For Constant Manual Monitoring





# Mobile Detection





# Mobile Detection





# Mobile Detection





# Idle Person Detection

Identifies workers who are standing idle for extended periods – helping managers spot bottlenecks, inefficiencies, or unassigned personnel in real time.

## Benefits

-  Highlights Productivity Gaps Instantly
-  Helps Optimize Workforce Deployment
-  Reduces Unproductive Time On The Floor
-  Supports Data-Driven Shift Management





# Idle Person Detection

Person Idle for 10 Min

10/07/2026 17:20:56

Idle\_person





# Idle Person Detection





# Idle Person Detection

Person Idle for 10 Min

Idle\_person-0.82

2026-07-02 12





# People Gathering Detection

Detects unusual or unauthorized gatherings of people in specific areas – flagging potential disruptions, safety risks, or unauthorized assemblies.

## Benefits

- 🔔 Prevents Crowding In Hazardous Zones
- 🔔 Early Detection Of Potential Conflicts Or Unrest
- 🔔 Helps Maintain Discipline And Order
- 🔔 Useful For Both Safety And Security Management





# People Gathering Detection



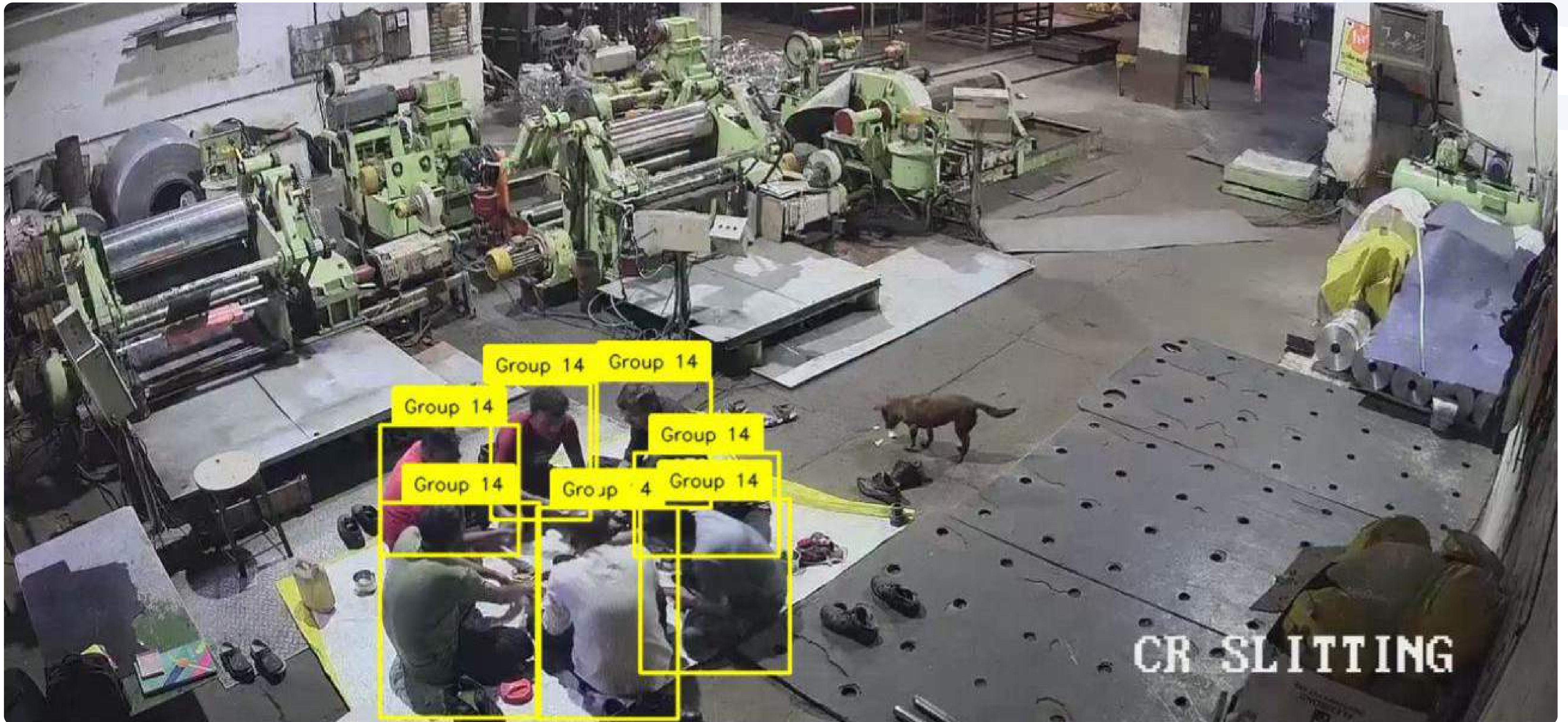


# People Gathering Detection





# People Gathering Detection





# Unattended Machine Detection

Detects when a machine is running without an assigned operator present — preventing accidents, production errors, and unmonitored equipment operation.

## Benefits

-  Prevents Unsupervised Machine Operation
-  Reduces Risk Of Accidents And Damage
-  Instant Alert To Supervisor Or Floor Manager
-  Improves Operational Accountability





# Unattended Machine Detection





# Unattended Machine Detection





# Machine Start-Stop Detection

Monitors and logs every instance of a machine starting or stopping — providing accurate production data and flagging unplanned stoppages in real time.

## Benefits

-  Real-Time Visibility Of Machine Activity
-  Instant Alert On Unplanned Stoppages
-  Supports OEE And Downtime Tracking
-  Eliminates Manual Machine Log Entries





# Machine Start-Stop Detection

Machine Start



Machine Stop



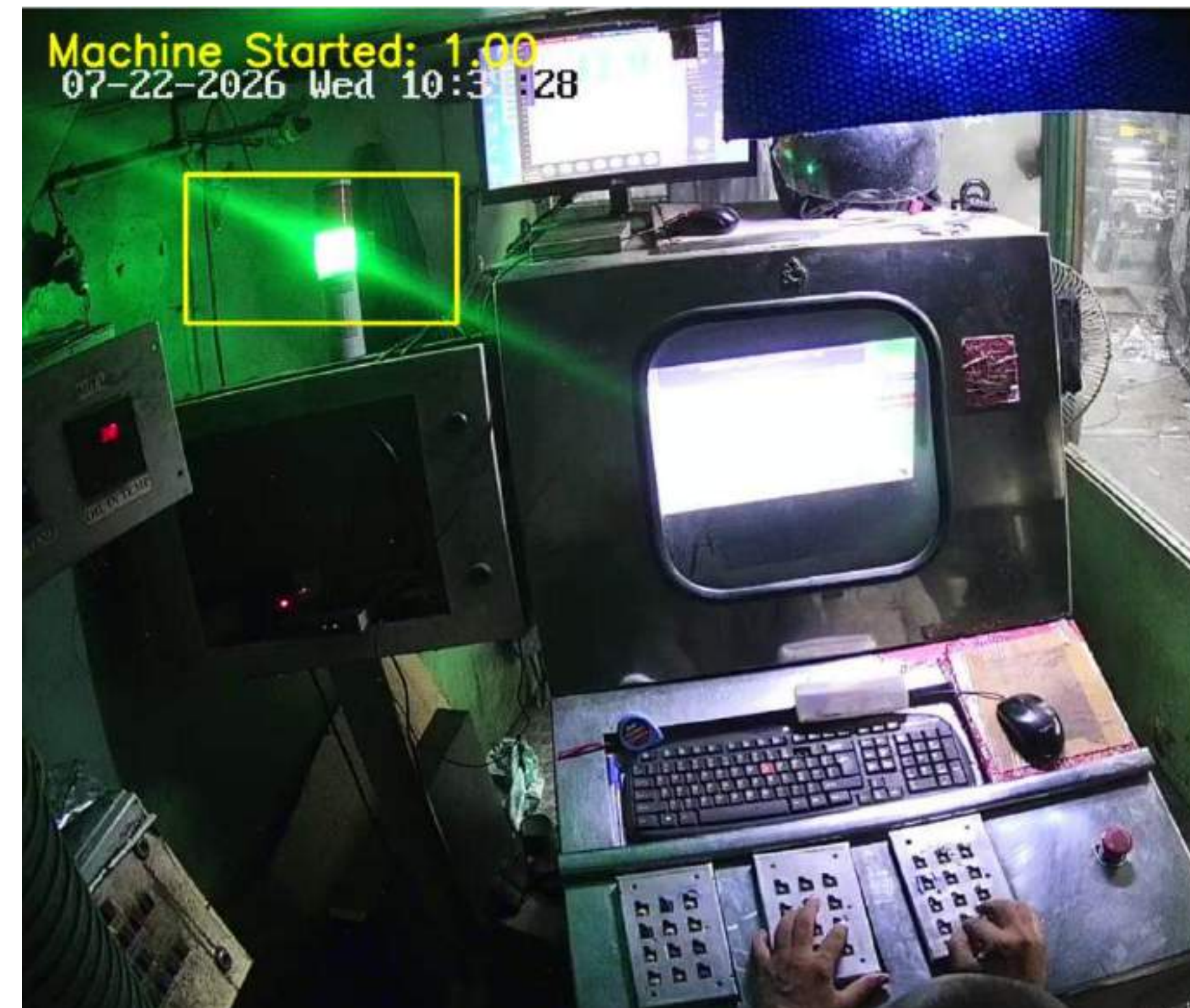


# Machine Start-Stop Detection

Machine Stop



Machine Start





# Face Detection

Identifies and tracks individuals across your facility using AI-powered face recognition — enabling attendance, access control, and security management in one.

## Benefits

- 🔔 Accurate Identification Of Authorized Personnel
- 🔔 Tracks Movement Of Individuals Across Cameras
- 🔔 Flags Unrecognized Faces In Restricted Areas
- 🔔 Eliminates Proxy Attendance And Buddy Punching



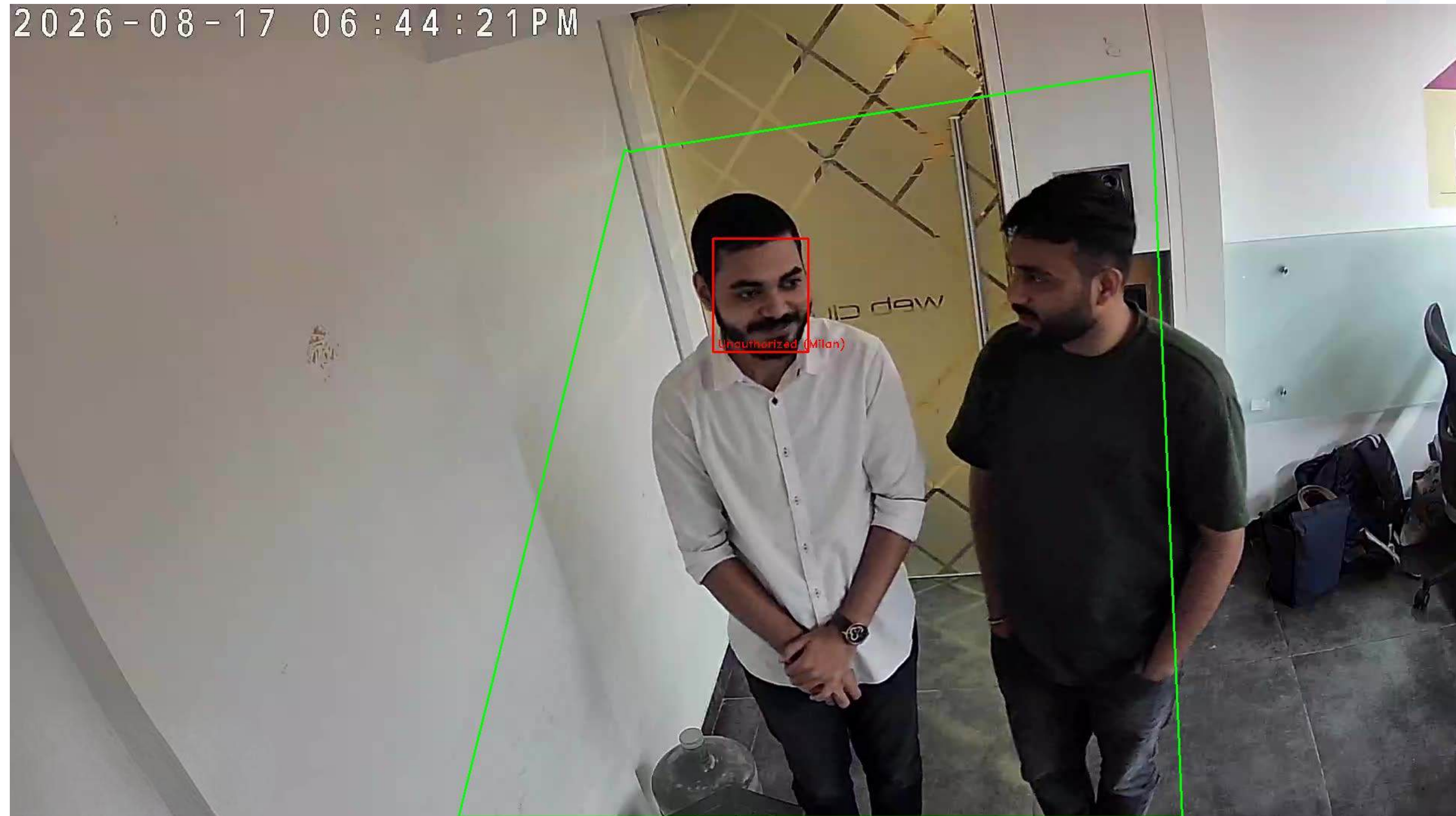


# Face Detection





# Face Detection





# No Guard

Detects when a security guard is absent from their assigned post — ensuring your facility is never left unmonitored at any checkpoint.

## Benefits

-  Real-Time Alert When A Post Is Unmanned
-  Eliminates Gaps In Security Coverage
-  Improves Guard Accountability And Discipline
-  Reduces Risk Of Security Breaches





## No Guard





## No Guard





# Fight Detection

Detects physical altercations or aggressive behavior on-site the moment they occur — enabling security teams to respond immediately and prevent escalation.

## Benefits

-  Real-Time Detection Of Physical Conflicts
-  Faster Security Response Time
-  Prevents Escalation To Serious Injury
-  Provides Visual Evidence For Disciplinary Action





# Fight Detection





# Throw Detection

Detects and flags any attempt to throw or pass company assets, materials, or objects outside the premises — helping prevent theft and unauthorized removal of property in real time.

## Benefits

-  Prevents Theft Through Object Throwing
-  Covers Perimeter And Boundary Areas
-  Instant Alert To Security Personnel
-  Provides Visual Proof For Investigations





# Throw Detection





# Blockage Detection

Identifies when an access point, door, or gate is blocked — preventing unauthorized restriction of movement or deliberate obstruction.

## Benefits

-  Ensures Access Routes Remain Clear At All Times
-  Prevents Deliberate Obstruction Of Entry Or Exit
-  Critical For Emergency Evacuation Readiness
-  Instant Alert To Security Team





# Blockage Detection





# Blockage Detection





# Blockage Detection



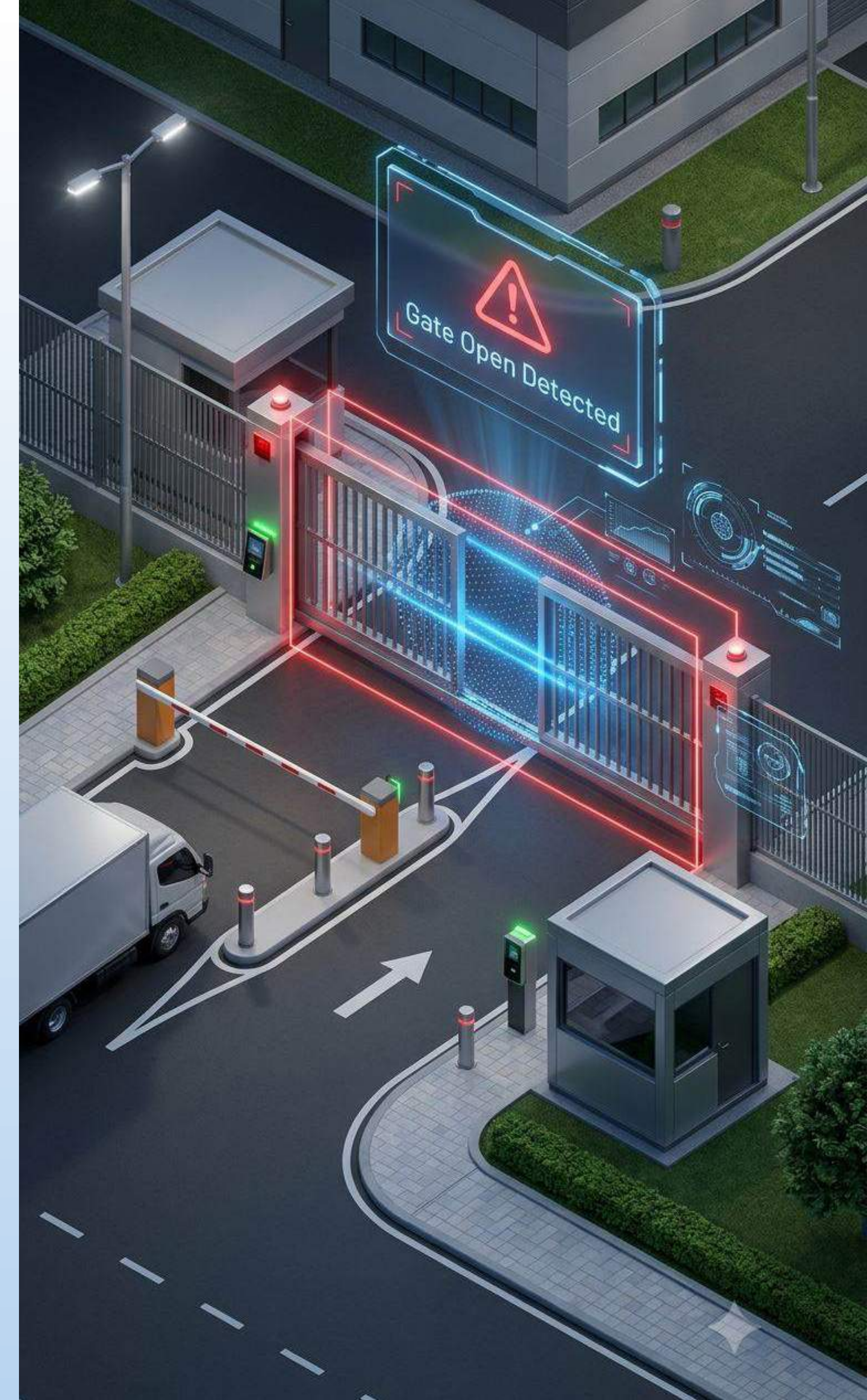


# Gate Opening Detection

Monitors and logs every instance of a gate or door being opened or closed — providing a complete access history and flagging unauthorized activity.

## Benefits

-  Complete Log Of All Gate Movements
-  Instant Alert On Unauthorized Gate Activity
-  Prevents After-Hours Access
-  Supports Security Audits And Investigations





# Gate Opening Detection





# Gate Opening Detection



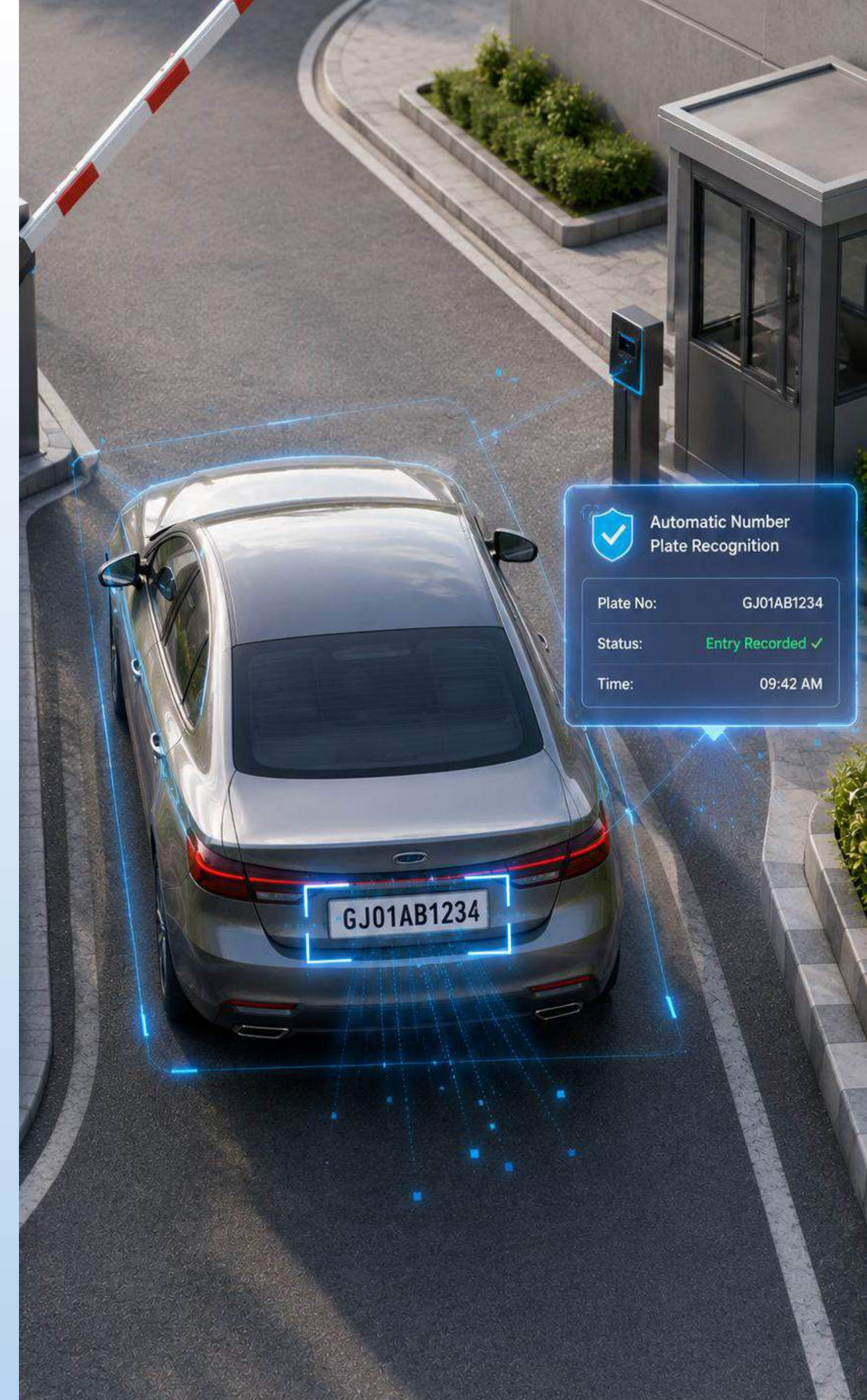


# Automatic Number Plate Recognition

Automatically reads and logs vehicle number plates at entry and exit points – providing a complete vehicle movement record without manual intervention.

## Benefits

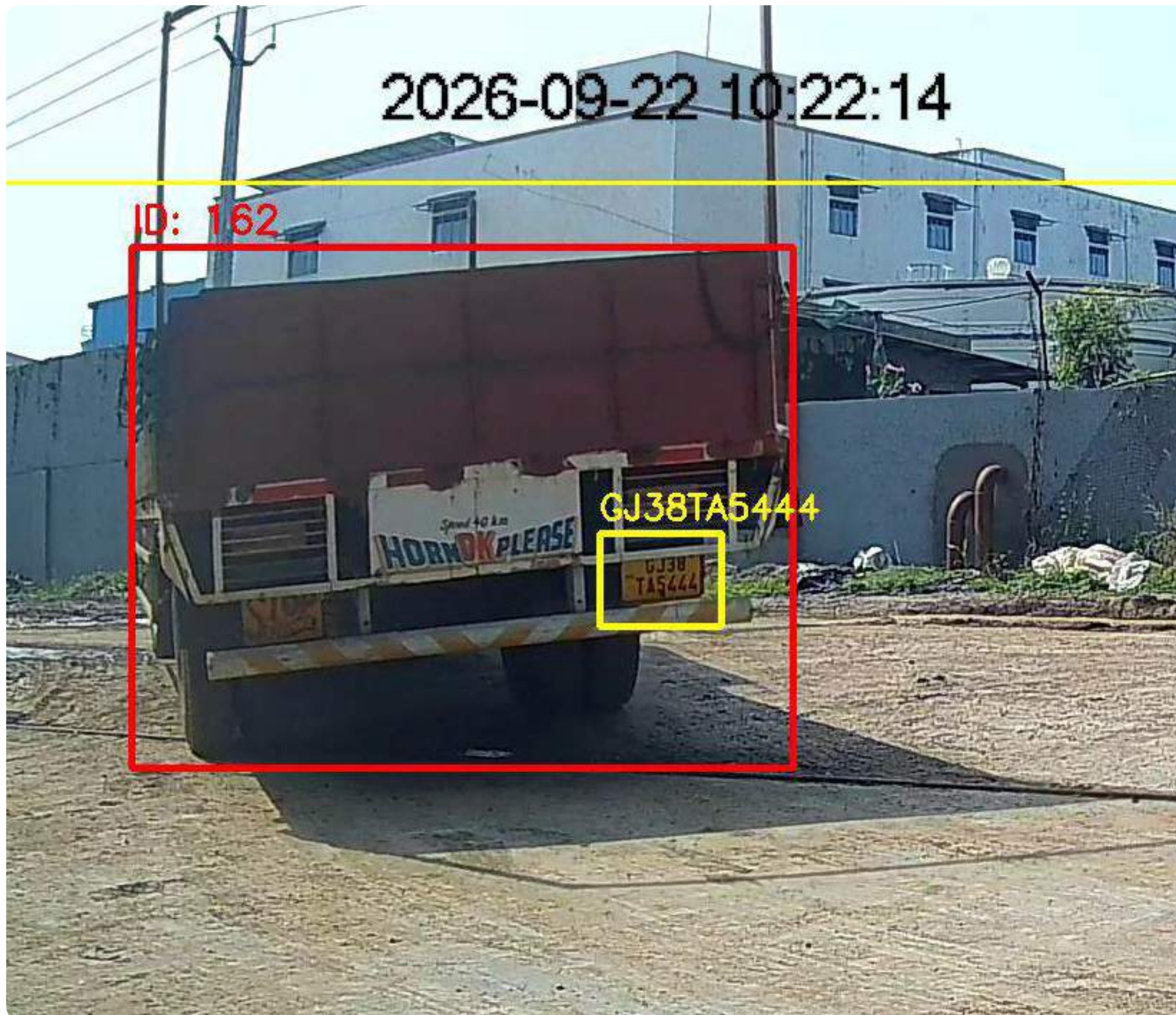
-  Automated Vehicle Identity Verification
-  Complete Entry And Exit Log For All Vehicles
-  Flags Unauthorized Or Blacklisted Vehicles
-  Reduces Manual Gate Register Entries





# Automatic Number Plate Recognition

Entry In



Entry Out





# Automatic Number Plate Recognition

Entry In



Entry Out





# Loading-Unloading Counts (Box/Drums)

Automatically counts boxes, drums, or other items being loaded or unloaded – providing accurate quantity data without manual counting.

## Benefits

- 🔔 Eliminates Manual Counting Errors
- 🔔 Real-Time Loading And Unloading Data
- 🔔 Prevents Pilferage During Dispatch
- 🔔 Supports Accurate Inventory And Dispatch Records





# Loading-Unloading Counts (Box/Drums)





# Loading-Unloading Counts (Box/Drums)





# Unauthorized Access

Detects any person present within the facility after working hours — triggering an immediate security alert to prevent theft, vandalism, or unauthorized activity.

## Benefits

-  Protects Assets And Inventory After Hours
-  Instant Alert To Security Team Or Management
-  Covers All Camera Zones Simultaneously
-  Eliminates Need For Manual After-Hours Rounds





## Unauthorized Access (after working hours)





# Head Count

Automatically counts the number of people present in a defined area or zone — providing real-time occupancy data for safety, compliance, and operations.

## Benefits

-  Real-Time Occupancy Monitoring
-  Enforces Maximum Capacity Limits
-  Useful For Evacuation And Muster Drills
-  Supports Workforce Deployment Planning





# Head Count





# Our Clients





# Ready to Make Your CCTV Smarter?

Add AI-powered intelligence to your existing cameras with Spotem to protect your people, assets, and operations in real time, no new hardware required.



Secure Your Facility with Spotem



Contact us to [schedule a demo](#)

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