FUNTASH TECHNOLOGIES · ENTERPRISE COMPUTER VISION

AI CAMERA INTELLIGENCE

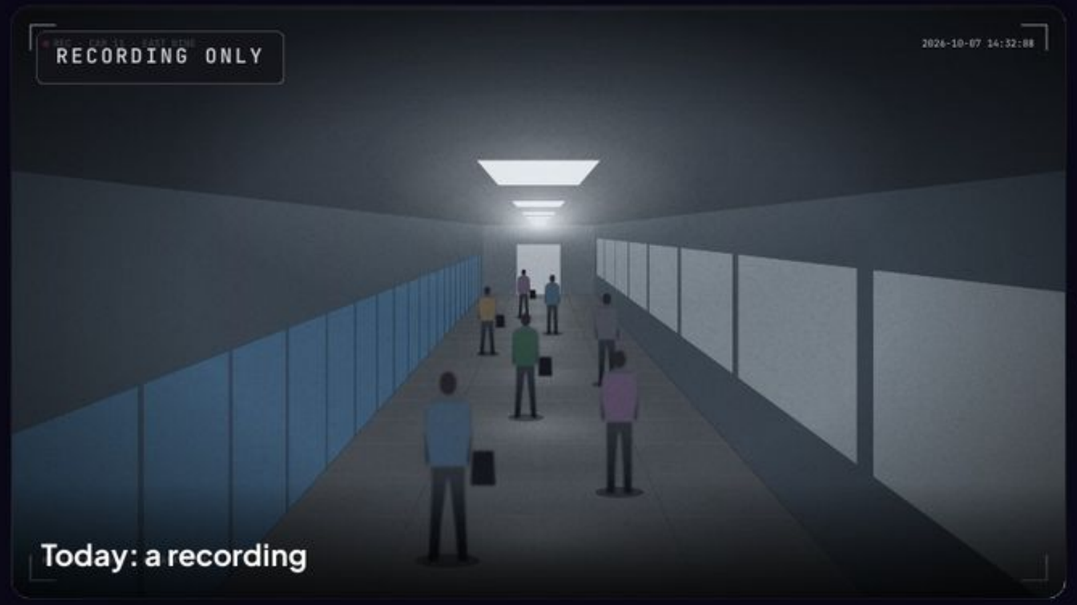
Turning Existing Cameras Into Intelligent Eyes.

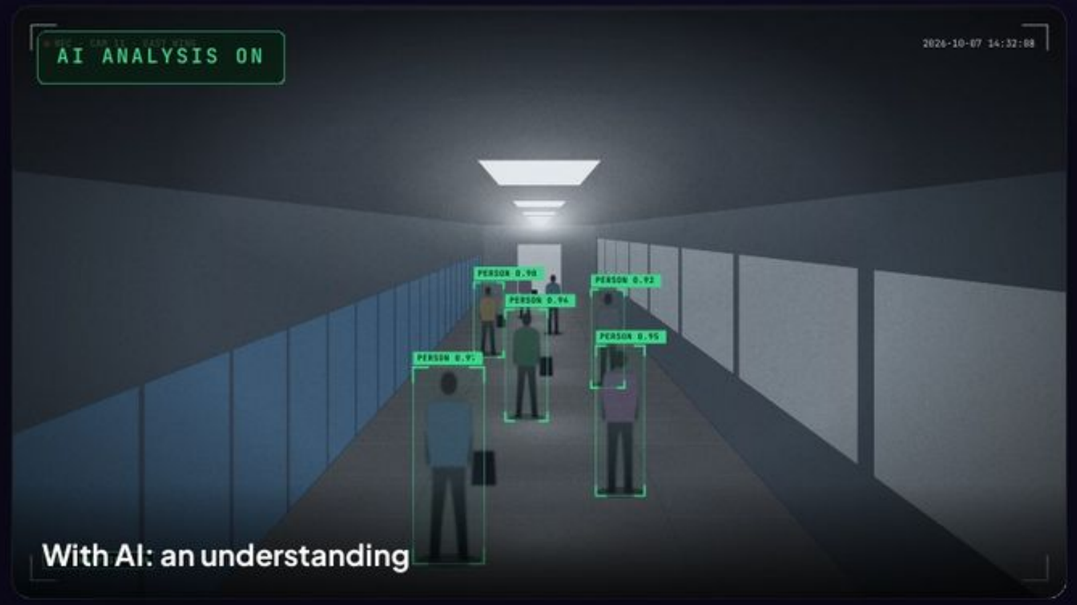
Your cameras are already watching. Now let them understand.



— THE CENTRAL IDEA

Your cameras are already watching.
Now let them understand.





— WHO WE ARE

Funtash — Building Intelligence Into Everyday Operations

A technology and digital solutions company that builds around how your business actually operates, instead of forcing your business into generic software.

2019
Founded in Islamabad

100+
Person team

150+
Projects delivered

4
Markets: PK, UK, UAE, USA

Artificial Intelligence
Machine learning and applied AI

Computer Vision
Detection, classification, analytics

Software Development
Web, mobile and backend platforms

ERP Solutions
Operations, inventory, reporting

Automation
Rules, workflows, notifications

Custom Integrations
APIs, databases, existing systems

One connected operational ecosystem



— 01 · THE PROBLEM

Your Cameras See Everything. But Who Is Understanding It?

— 01 · THE PROBLEM

Surveillance was built to record. Operations need it to respond.

01

Recording, not understanding

Traditional CCTV stores video. It does not interpret what happens in it.

02

People watching screens

Monitoring depends on operators watching many feeds, continuously.

03

Events slip through

Fatigue and divided attention mean important moments can be missed.

04

Monitoring does not scale

Every new camera or branch adds more footage than people can review.

05

Found after the fact

Violations often surface only when someone reviews footage later.

06

Cameras everywhere, insight nowhere

Plenty of coverage, very little actionable, structured data.

— 01 · THE SHIFT

From watching footage to acting on events.

BEFORE
Traditional CCTV

01 Cameras → 02 Recording → 03 Human monitoring → 04 Delayed response — after the incident

AFTER
AI camera intelligence

01 Cameras → 02 AI analysis → 03 Detection → 04 Alert → 05 Action → 06 Data — logged for reporting

Before: people search the footage.

After: the footage tells people where to look.

02 · THE FUNTASH APPROACH

We Turn Video Into Actionable Intelligence.



01
Existing cameras
IP cameras on site

02
Video feeds
Live streams

03
AI / computer vision
Frame-by-frame analysis

04
Detection & classification
People, objects, events

05
Business rules
Zones, time, SOPs

06
Real-time alerts
With clip & timestamp

07
Dashboard · ERP · WhatsApp
Where your team works

08
Actionable data
Trends and reports

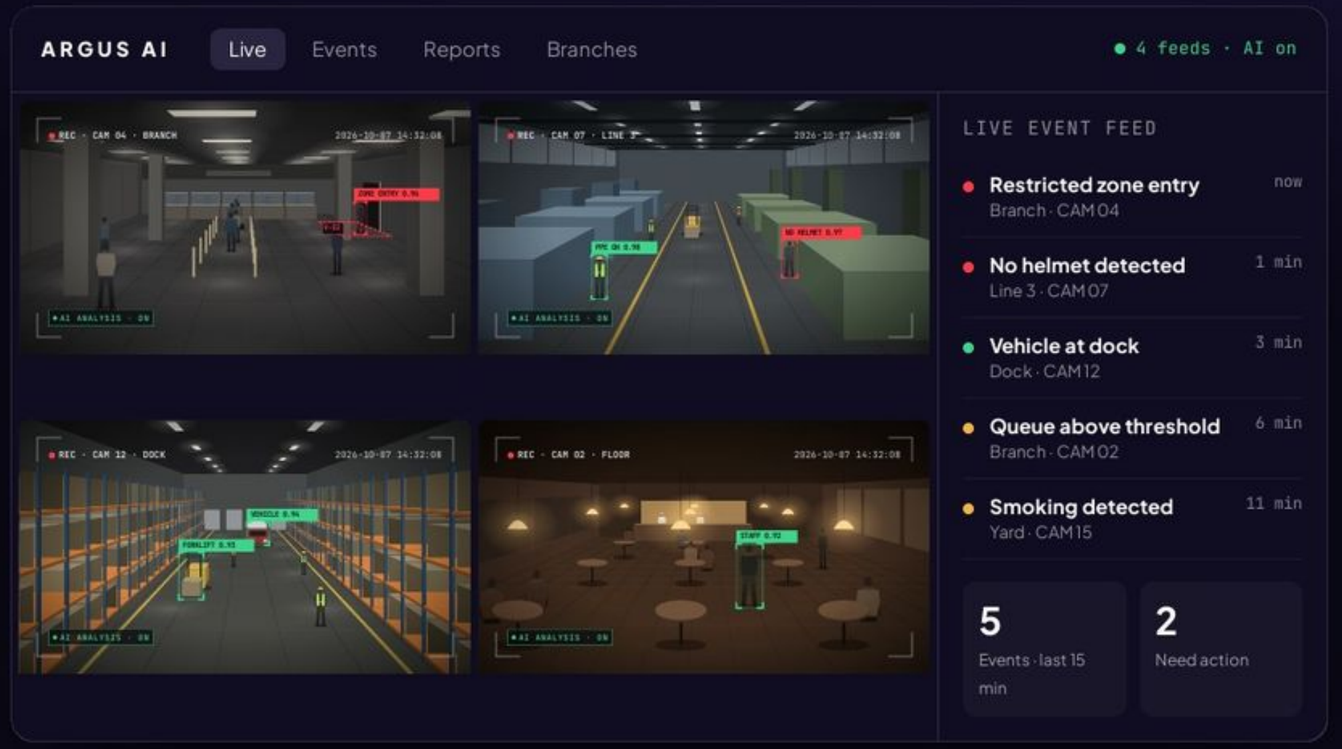
Built on what you already own. Where technically suitable, we connect to your existing camera infrastructure instead of asking you to replace your surveillance setup. Compatibility is confirmed during the site assessment.

— 03 · THE PLATFORM

Argus AI

Funtash's AI camera intelligence platform. It adds detection, rules and alerts on top of the cameras you already have.

- Multi-camera live monitoring in one view
- Automated alerts with a re-fire check to reduce false alarms
- Searchable event timeline with clip and timestamp
- Multi-branch central dashboard
- Accuracy reporting and analytics



Interface view is illustrative.

— 04 · CAPABILITIES

What Our AI Can Understand

Examples of what can be configured. Each deployment includes only the detections that matter to that site.

PEOPLE & ACCESS

- Person detection
- Face / identity recognition*
- Authorized vs unauthorized
- Access monitoring

THREAT & SAFETY

- Weapon detection
- Fire detection
- Smoke detection
- Smoking detection
- Helmet detection
- Safety compliance (PPE)

SPACE & MOVEMENT

- Crowd detection
- Queue detection
- Restricted area detection
- Vehicle detection
- Object detection

BEHAVIOR & OPERATIONS

- Activity monitoring
- Behavior detection
- SOP monitoring

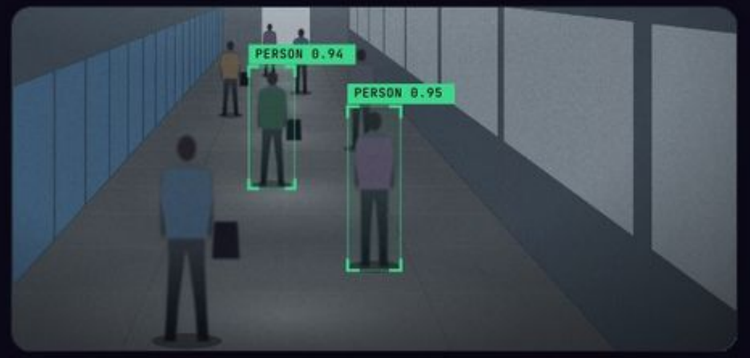
RULES ENGINE

- Time-based rules
- Zone-based rules
- Custom business rules

Capabilities are examples, not a guaranteed list for every deployment. Availability depends on scope, camera positioning, lighting, resolution and model training. *Identity recognition only where applicable, lawful and agreed with the client.

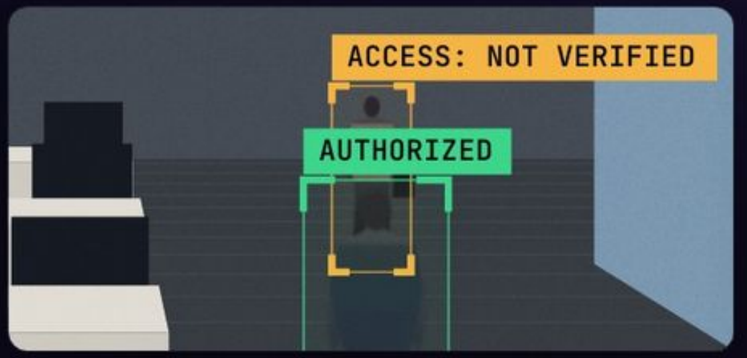
— 05 · REAL-WORLD DETECTION

What the AI sees, frame by frame.



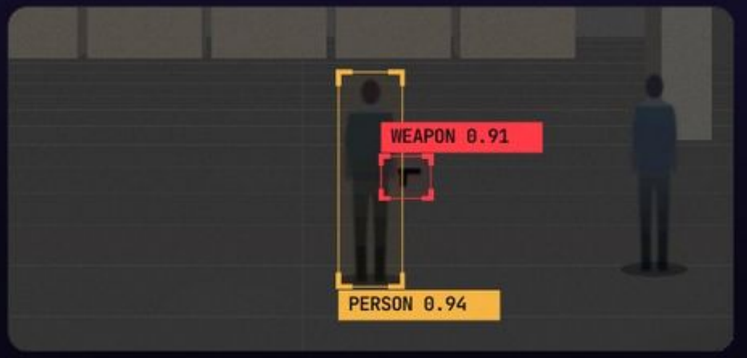
Person detection

Identifies people inside a monitored area.



Authorized / unauthorized

Checks whether a person meets defined access conditions.



Weapon detection

Identifies defined weapon classes and raises an alert.



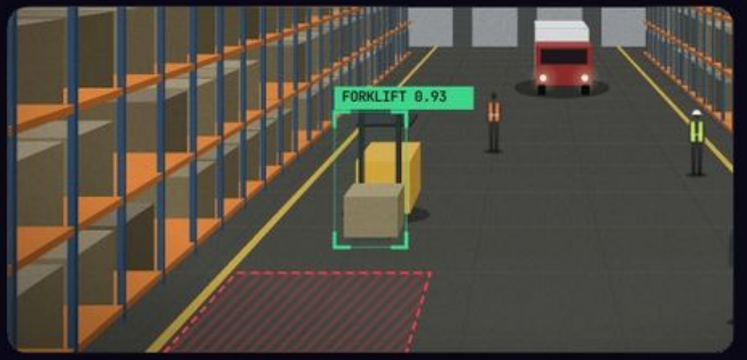
Smoking detection

Flags smoking activity where the model and setting support it.



Helmet detection

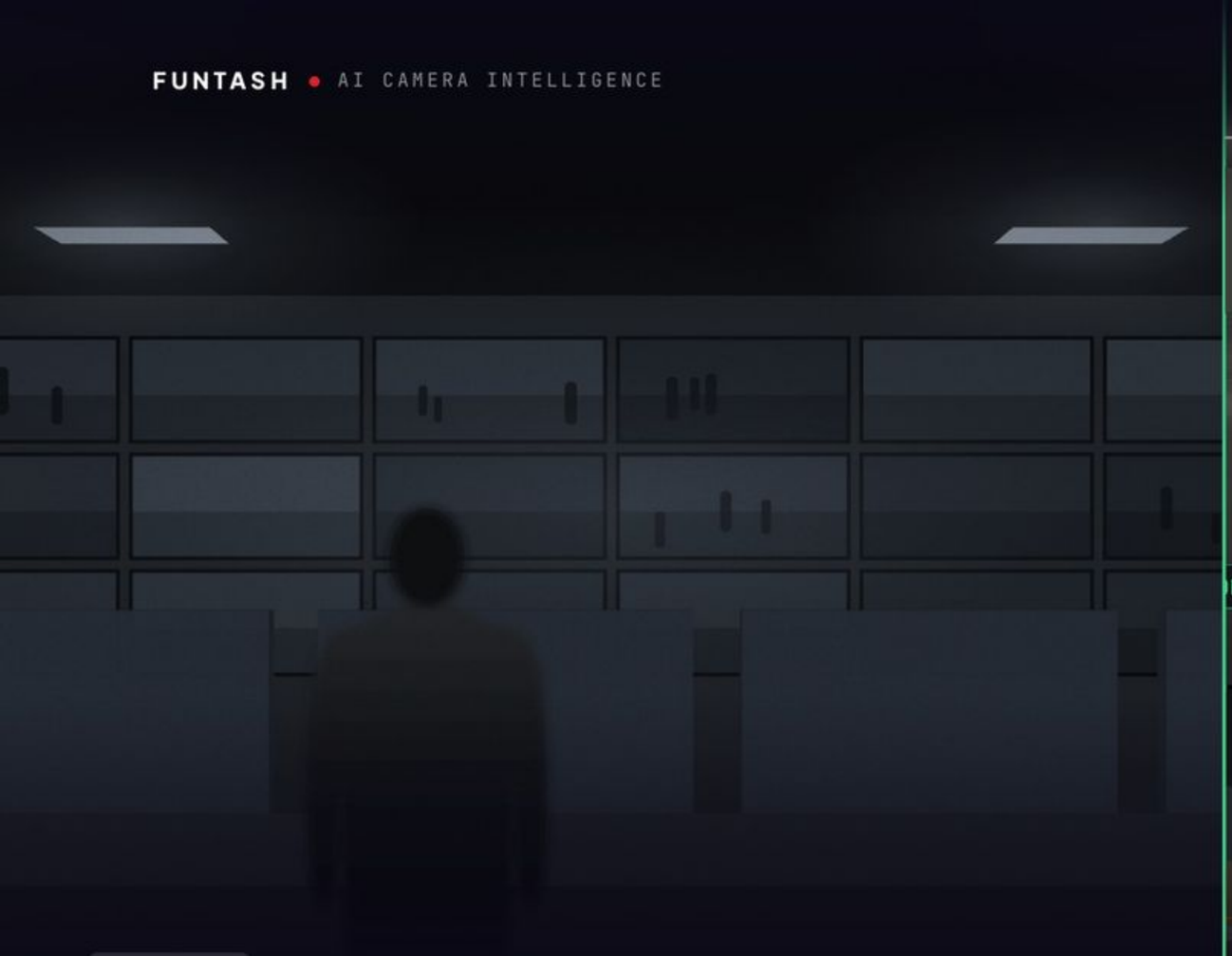
Checks whether required safety equipment is being worn.



Restricted zone

Detects entry into an area you define as restricted.

Illustrative detection view. Replace with deployment screenshots where available.

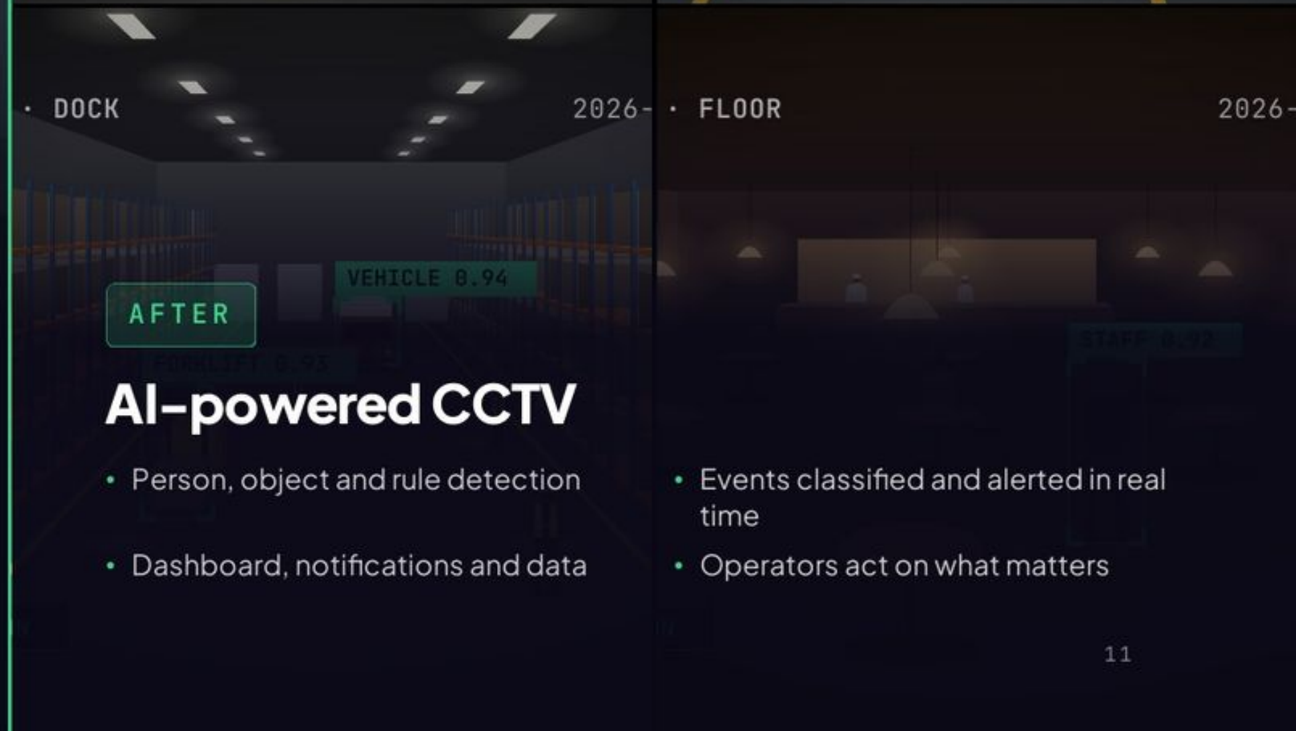


BEFORE

Traditional CCTV monitoring

- Many feeds, one operator
- Manual observation only
- No automatic classification
- Response depends on someone noticing





AFTER

AI-powered CCTV

- Person, object and rule detection
- Dashboard, notifications and data
- Events classified and alerted in real time
- Operators act on what matters

— 06 · BEFORE / AFTER

Normal footage becomes a structured event.





AI DETECTED	CLASSIFIED	BUSINESS MEANING	ACTION TRIGGERED
8 people · 5 in queue line	Queue length above defined threshold	Customers waiting longer than policy allows	Branch manager notified · event stored for reporting

Illustrative detection view. Replace with deployment screenshots where available.

— 06 · BEFORE / AFTER

A person enters a restricted area.





AI DETECTED	TIME RECORDED	CAMERA IDENTIFIED	ACTION TRIGGERED
Person inside a defined restricted zone	14:32:08 · duration tracked	CAM 12 · Aisle B	Alert to supervisor · clip saved to event timeline

Illustrative detection view. Replace with deployment screenshots where available.

— 06 · BEFORE / AFTER

Restaurant activity becomes operational insight.





AI DETECTED	ANALYZED	RULE FLAGGED	ACTION TRIGGERED
Tables, guests and staff on the floor	Customer journey timed per table	Order wait above the defined threshold	Floor manager notified · delay logged against the shift

Illustrative detection view. Replace with deployment screenshots where available.

— 07 · INDUSTRY SOLUTIONS

One platform. Configured for each environment.

Every industry has different risks, workflows and rules. Each deployment is trained and configured for the site it serves.

01
Banking & Financial

02
Restaurants & Hospitality

03
Schools & Colleges

04
Corporate Offices

05
Manufacturing & Industrial

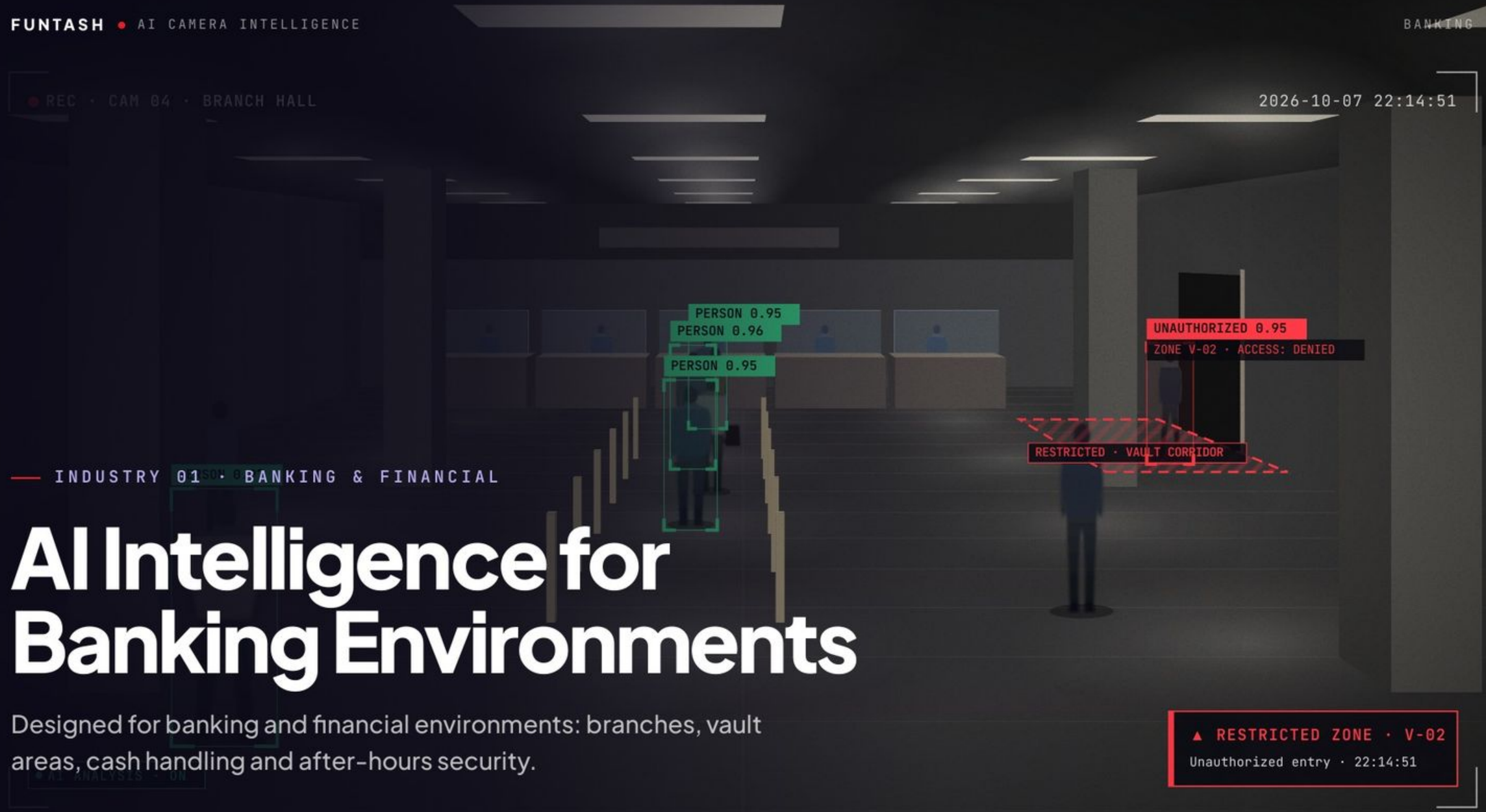
06
Food Industry

07
Warehouses & Logistics

08
Security & High-Sensitivity

09
Retail & Commercial

10
Custom / Other Industries



— INDUSTRY 01 · BANKING & FINANCIAL

AI Intelligence for Banking Environments

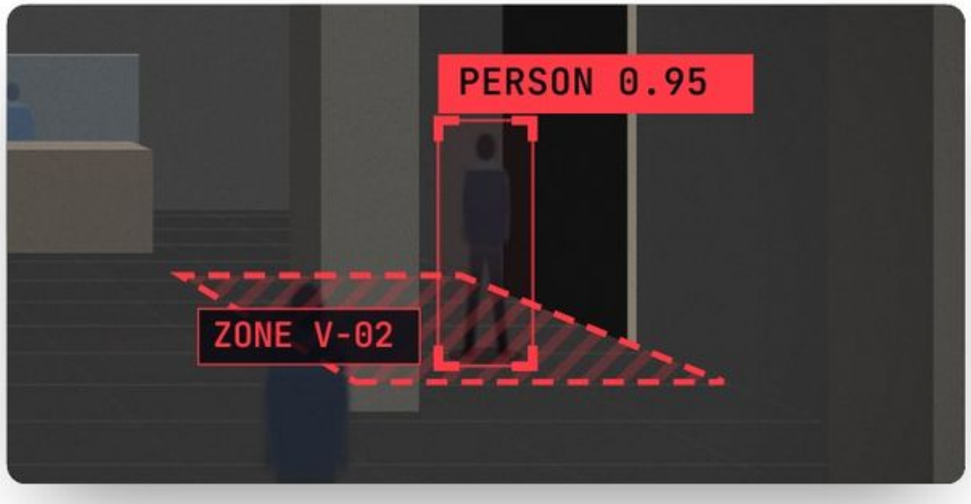
Designed for banking and financial environments: branches, vault areas, cash handling and after-hours security.

Illustrative detection view. Replace with deployment screenshots where available.

INDUSTRY 01 · BANKING & FINANCIAL

Security, compliance and branch operations in one view.

- Person detection
- Authorized / unauthorized
- Restricted area monitoring
- Queue monitoring
- Branch activity monitoring
- After-hours activity
- Suspicious activity indicators
- Staff / visitor movement
- Incident detection
- Custom security rules



Scenario · Restricted area entry

01 Person detected

02 Zone identified

03 Access condition checked

04 Event classified

05 Alert generated

— EXPERIENCE · ANONYMIZED

Implemented for a banking environment.

An AI CCTV detection platform deployed across a branch network, with a live admin dashboard used daily by the security team.

- Helmet / identity concealment
- Weapon detection
- Smoking detection
- Live admin dashboard
- Branch-wide monitoring

91.7%
Helmet detection mAP

77.3%
Weapon detection mAP

mAP (mean average precision) as measured for that deployment. Models were trained and validated for its specific camera conditions and branch layout. Results in other environments will differ and are validated per site.



— INDUSTRY 02 · RESTAURANTS & HOSPITALITY

From CCTV to Operational Intelligence.

Computer vision that helps you understand service flow, not just record it.

Illustrative detection view. Replace with deployment screenshots where available.

INDUSTRY 02 · RESTAURANTS & HOSPITALITY

The customer journey, measured against your own standards.



When an order stays pending too long

01 **AI detects delay** → 02 **Rule triggered** → 03 **Event flagged** → 04 **Management notified** dashboard / WhatsApp

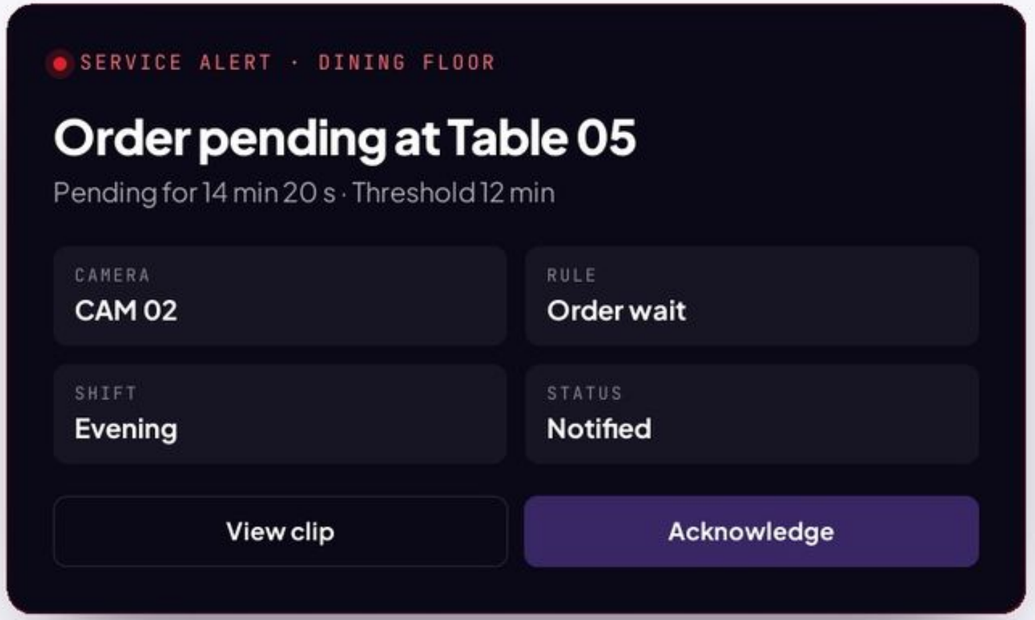
How it is set up

Time-based rules are configured to your service standards and monitored where camera positioning and the environment support it.

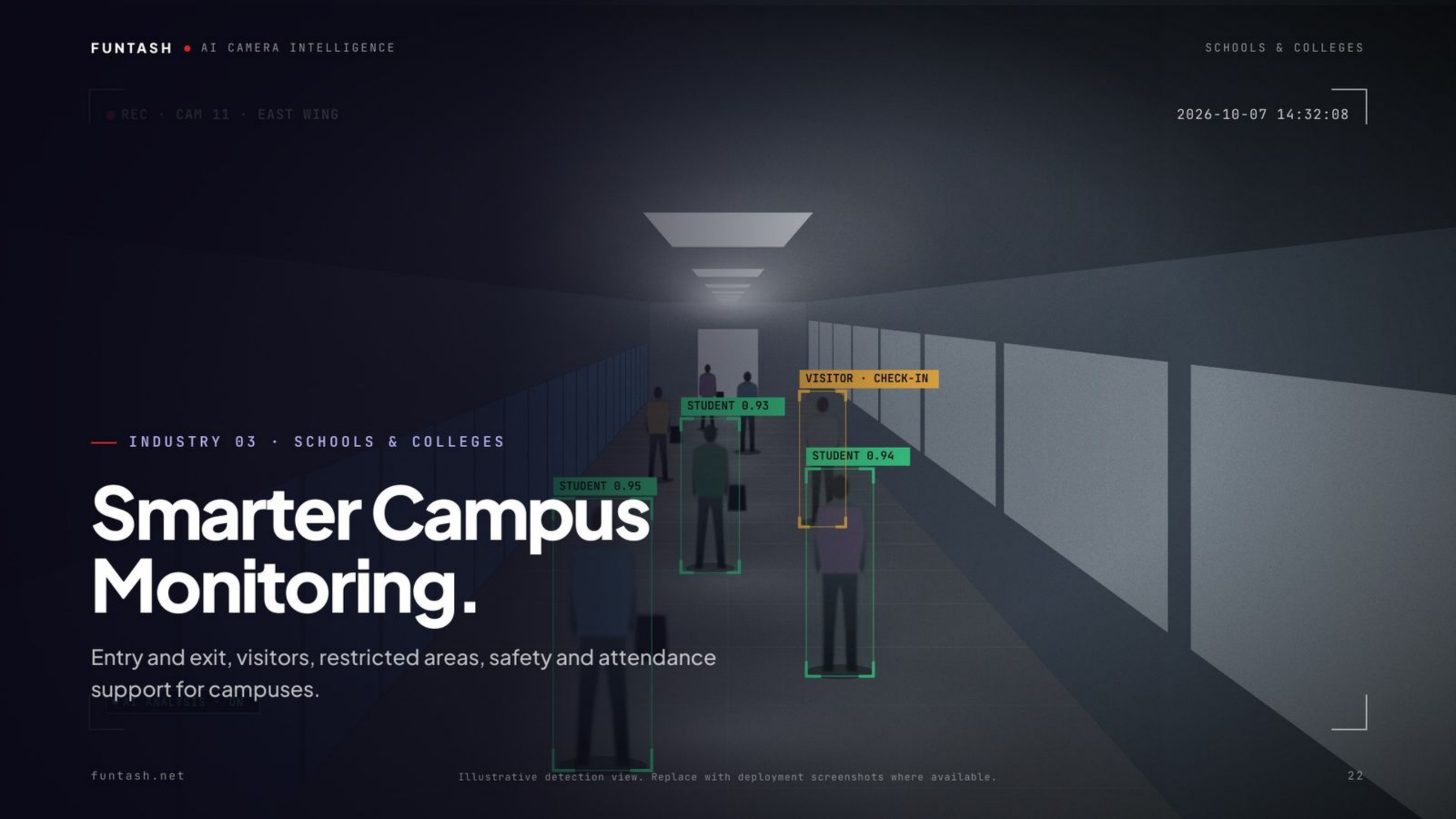
INDUSTRY 02 · RESTAURANTS & HOSPITALITY

What can be configured to monitor.

- Customer waiting time
- Order waiting time
- Queue monitoring
- Staff activity
- Restricted areas
- SOP compliance
- Smoking detection
- Safety monitoring
- Staff behavior rules
- Service workflow
- Table activity
- Operational bottlenecks



Example alert. Based on defined business rules.



INDUSTRY 03 · SCHOOLS & COLLEGES

Smarter Campus Monitoring.

Entry and exit, visitors, restricted areas, safety and attendance support for campuses.

Illustrative detection view. Replace with deployment screenshots where available.

INDUSTRY 03 · SCHOOLS & COLLEGES

Attendance in minutes, not a slice of every lesson.

TRADITIONAL

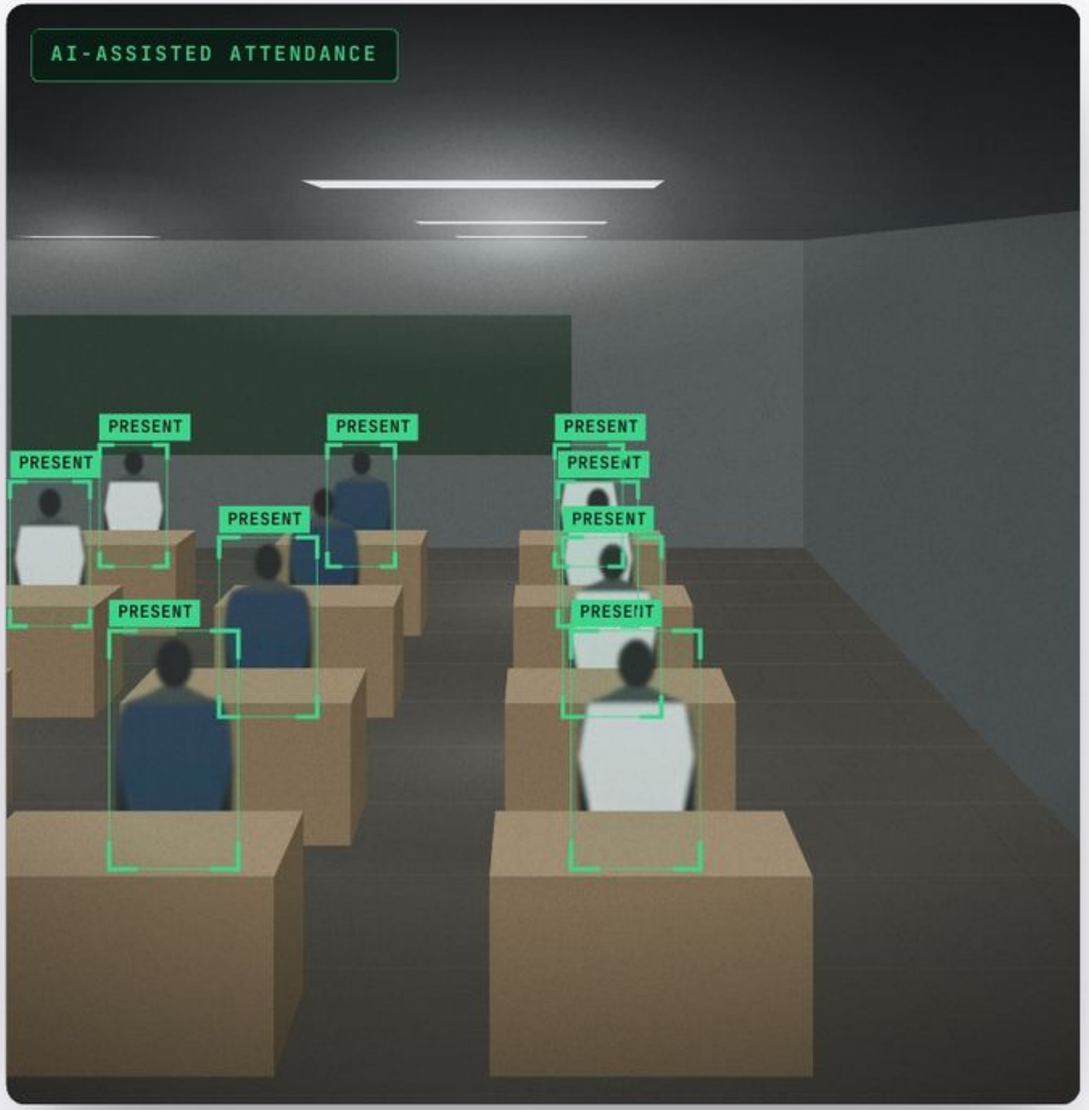
Teacher calls roll → Marks register → Enters data later

AI-ASSISTED

Students enter → Conditions identified → Attendance captured → Data processed → ERP updated

An attendance process that traditionally takes a significant portion of a class period can potentially be streamlined into minutes, depending on the environment and implementation.

Staff attendance | Entry / exit | Visitors | Restricted areas | Crowd monitoring | Safety alerts | Incident detection | Classroom activity | Campus security



Illustrative detection view. Replace with deployment screenshots where available.

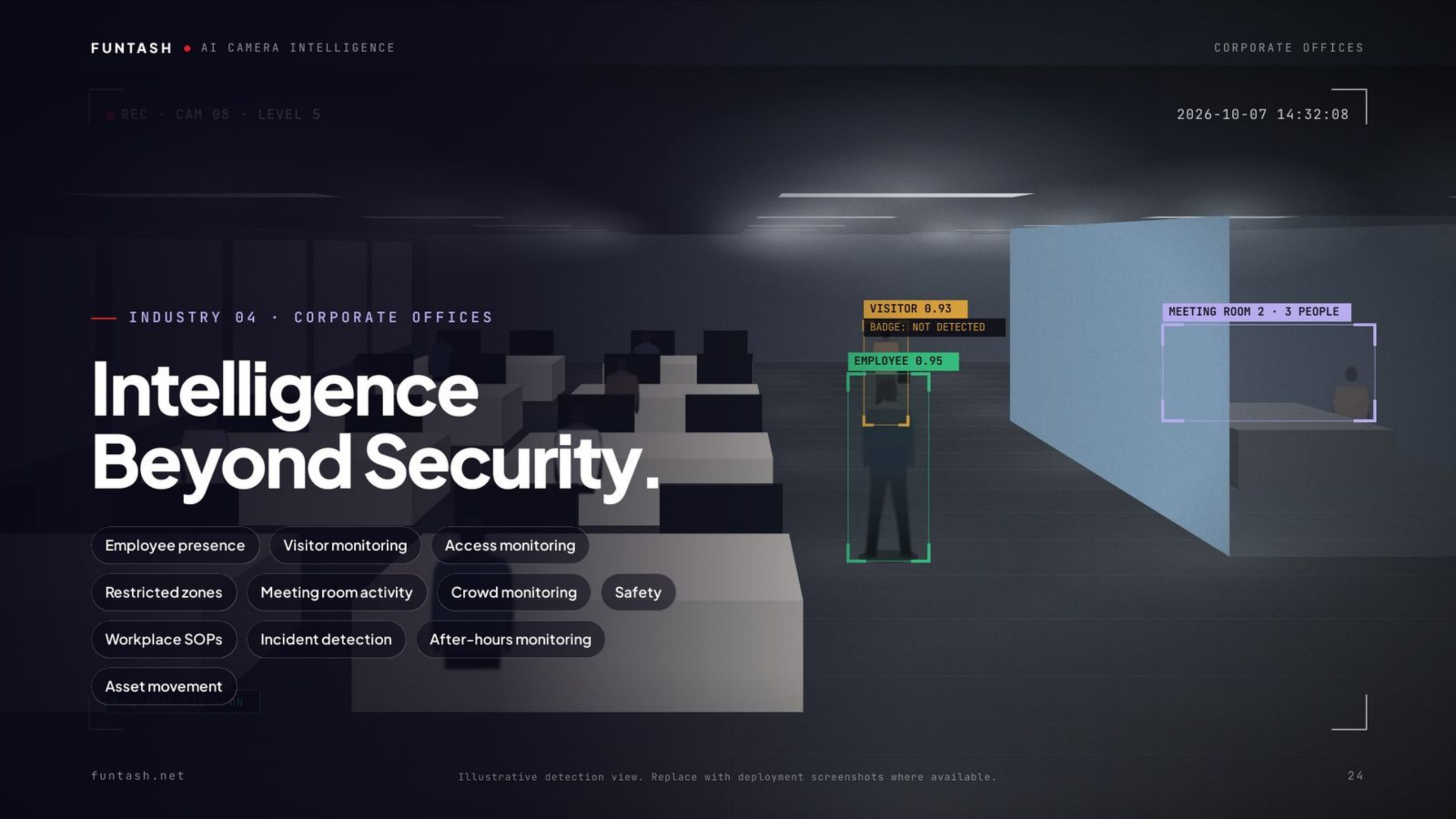
● REC · CAM 08 · LEVEL 5

2026-10-07 14:32:08

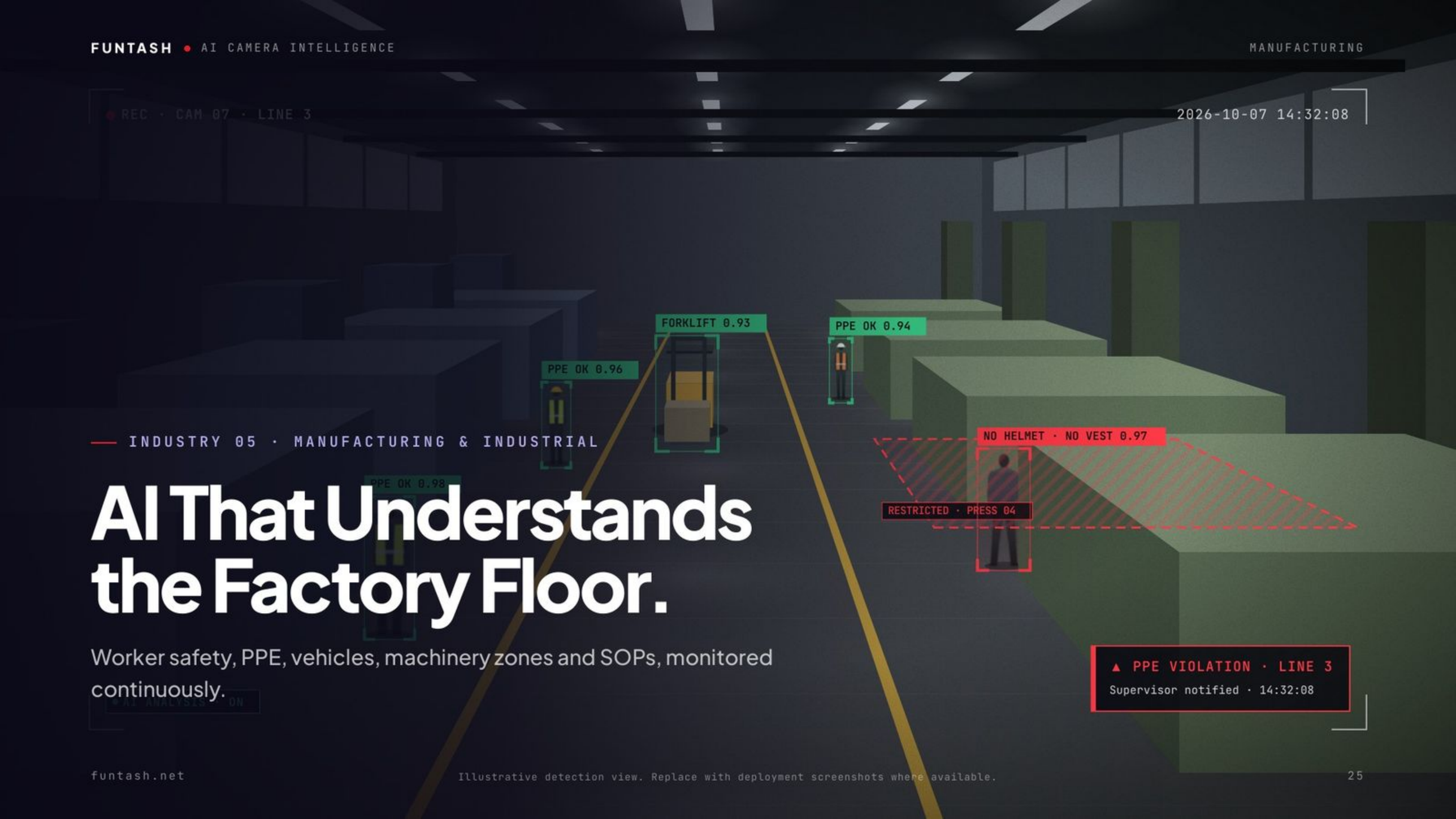
— INDUSTRY 04 · CORPORATE OFFICES

Intelligence Beyond Security.

- Employee presence
- Visitor monitoring
- Access monitoring
- Restricted zones
- Meeting room activity
- Crowd monitoring
- Safety
- Workplace SOPs
- Incident detection
- After-hours monitoring
- Asset movement



Illustrative detection view. Replace with deployment screenshots where available.



— INDUSTRY 05 · MANUFACTURING & INDUSTRIAL

AI That Understands the Factory Floor.

Worker safety, PPE, vehicles, machinery zones and SOPs, monitored continuously.

Illustrative detection view. Replace with deployment screenshots where available.

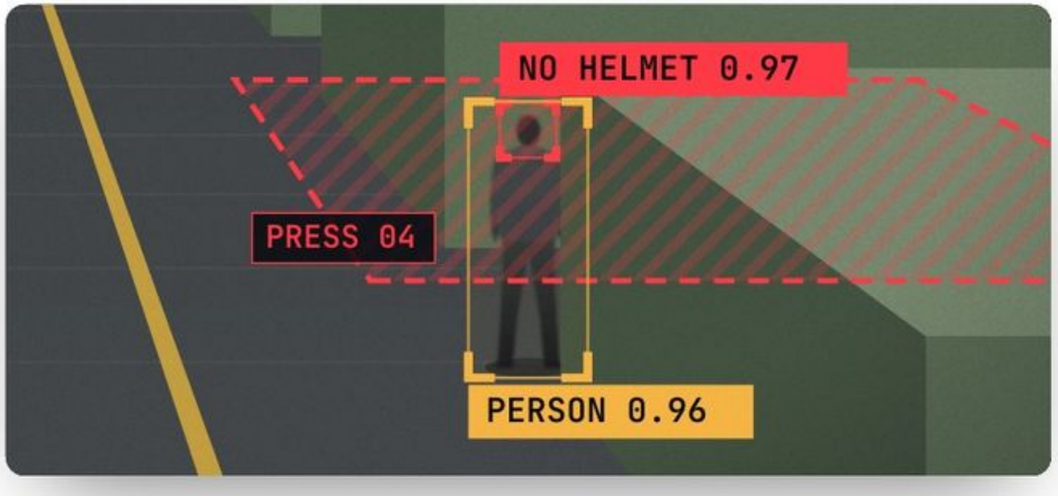
— INDUSTRY 05 · MANUFACTURING & INDUSTRIAL

Two scenarios. Same principle: detect, check the rule, alert.



A vehicle enters a pedestrian zone

01 Vehicle detected
02 Zone identified
03 Authorization / rule checked
04 Violation detected
05 Alert generated



A worker enters a restricted zone without PPE

01 Person detected
02 PPE checked
03 Violation detected
04 Alert generated

Illustrative detection view. Replace with deployment screenshots where available.

INDUSTRY 05 · MANUFACTURING & INDUSTRIAL

What the factory floor can be configured to watch for.

- Worker safety
- PPE compliance
- Helmet detection
- Restricted zone detection
- Vehicle monitoring
- Unauthorized movement
- Machinery-area monitoring
- SOP compliance
- Fire / smoke detection
- Object detection
- Production-area monitoring
- Incident detection

> **Safety rules only protect people when they are followed on every shift. Computer vision checks them on every frame.**

Rules are defined with your HSE team, then monitored on the cameras you already have, where coverage allows.



— INDUSTRY 06 · FOOD INDUSTRY

Computer Vision for Food Safety & Compliance.

Hygiene, PPE and process rules, checked on the production floor as work happens.

Illustrative detection view. Replace with deployment screenshots where available.

INDUSTRY 06 · FOOD INDUSTRY

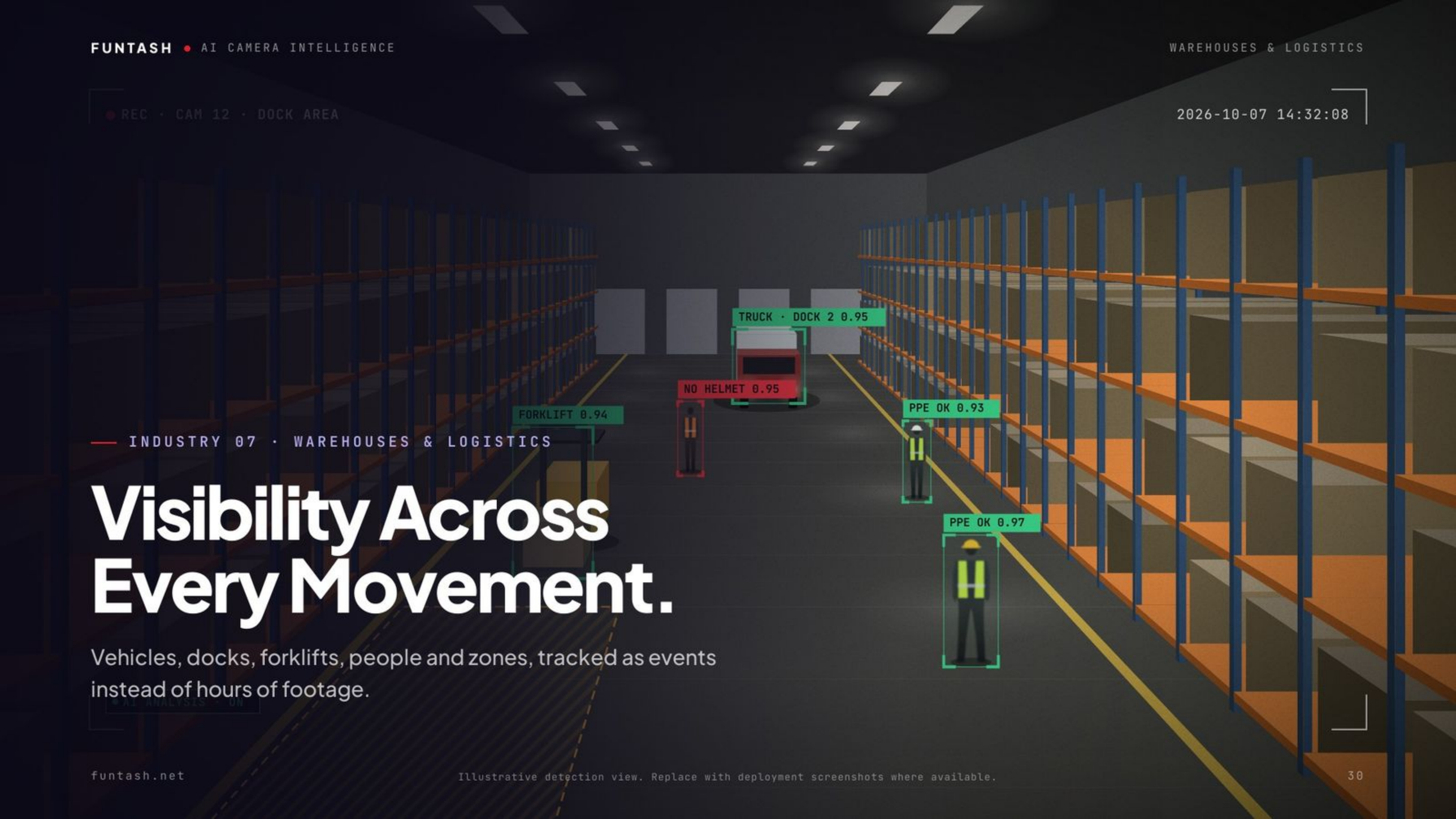
Trained around your facility, your products and your SOPs.

AI models can be trained around the specific operational requirements of each facility.

- PPE monitoring
- Hygiene compliance
- Restricted area monitoring
- Worker behavior rules
- Food handling workflow
- SOP compliance
- Production-line monitoring
- Smoke / fire detection
- Unauthorized activity
- Process monitoring

Why site-specific training matters

Uniforms & PPE	Your hairnets, gloves, aprons and colors
Lighting	Bright, reflective stainless environments
Workflow	Your line layout and hand-off points
Rules	Your hygiene SOPs, not a generic template



— INDUSTRY 07 · WAREHOUSES & LOGISTICS

Visibility Across Every Movement.

Vehicles, docks, forklifts, people and zones, tracked as events instead of hours of footage.

Illustrative detection view. Replace with deployment screenshots where available.

INDUSTRY 07 · WAREHOUSES & LOGISTICS

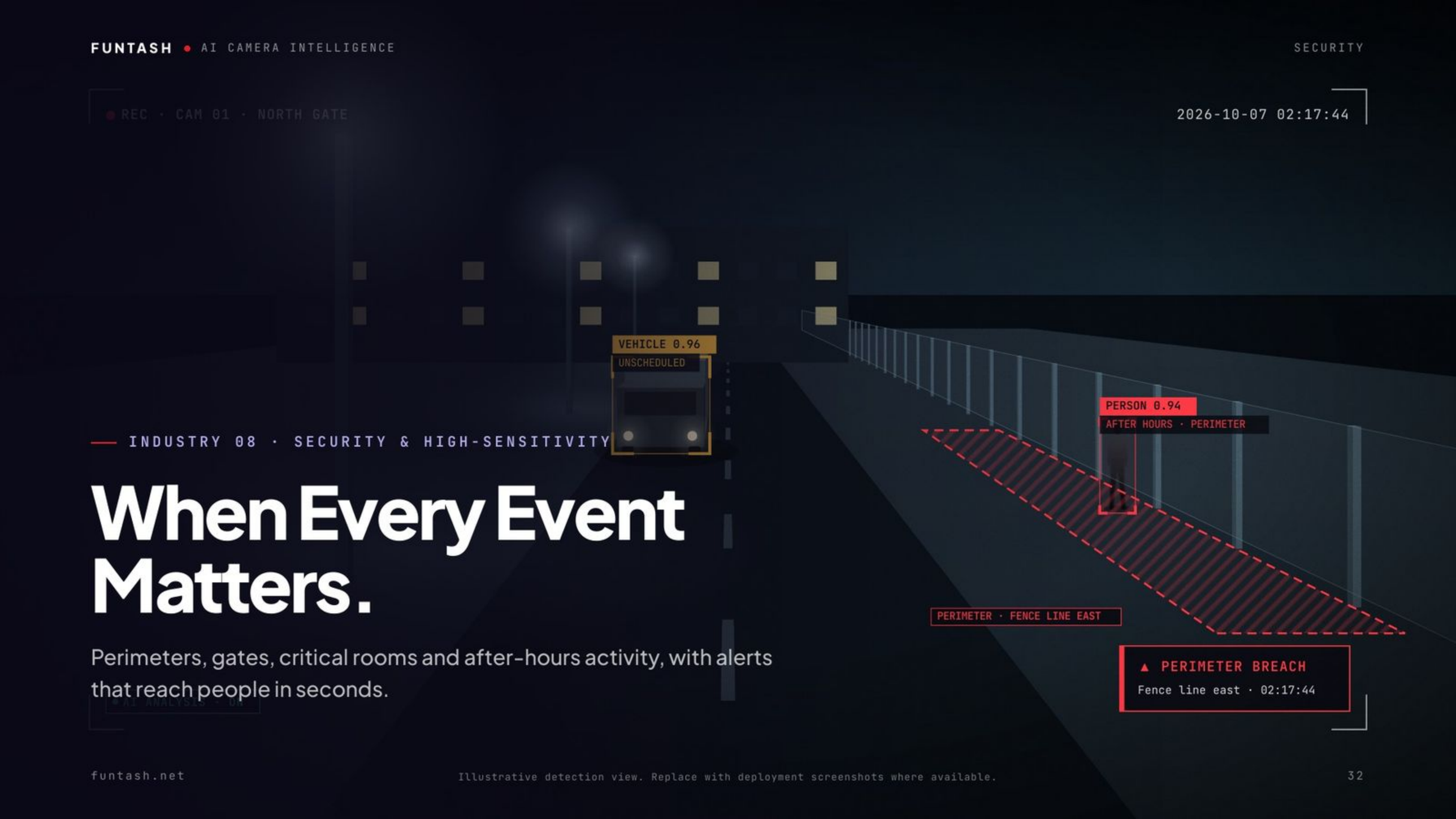
From the gate to the rack.

- Vehicle detection
- Entry / exit
- Loading areas
- Restricted zones
- Worker safety
- PPE
- Asset movement
- Unauthorized access
- Queue monitoring
- Operational delays
- Incident detection

Example · Vehicle at the dock

01 Vehicle detected at gate
02 Entry time recorded
03 Dock assignment checked
04 Dwell time above threshold
05 Logistics team notified

Thresholds and dock rules are defined per site.



— INDUSTRY 08 · SECURITY & HIGH-SENSITIVITY

When Every Event Matters.

Perimeters, gates, critical rooms and after-hours activity, with alerts that reach people in seconds.

Illustrative detection view. Replace with deployment screenshots where available.

INDUSTRY 08 · SECURITY & HIGH-SENSITIVITY

Security in layers, from the fence line to the control room.

- Unauthorized persons
- Weapon detection
- Restricted areas
- Perimeter monitoring
- Suspicious activity indicators
- Crowd detection
- Vehicle monitoring
- Incident alerts
- After-hours activity

L1 Outer perimeter
People and vehicles spotted on approach

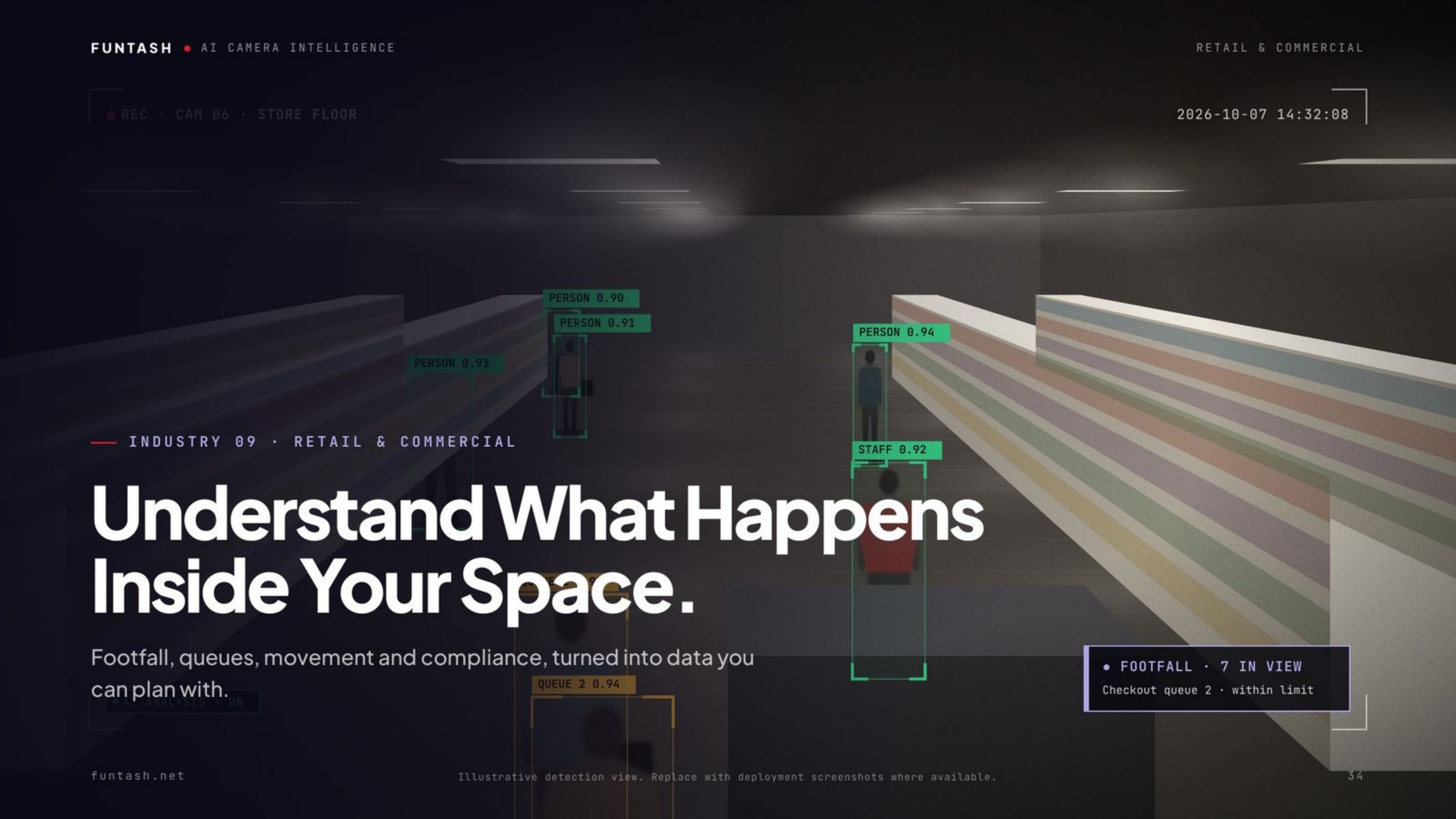
L2 Gate & checkpoint
Classification and virtual tripwires

L3 Building entry
Weapons and unauthorized entry at the door

L4 Interior zones
Restricted areas and after-hours presence

L5 Critical rooms
Zone rules and a verified entry log

L6 Command dashboard
Every alert and clip, with an audit trail



— INDUSTRY 09 · RETAIL & COMMERCIAL

Understand What Happens Inside Your Space.

Footfall, queues, movement and compliance, turned into data you can plan with.

Illustrative detection view. Replace with deployment screenshots where available.

INDUSTRY 09 · RETAIL & COMMERCIAL

Store intelligence, described honestly.

- Customer counting
- Queue monitoring
- Customer movement
- Staff monitoring
- Restricted areas
- Suspicious activity indicators
- Crowd detection
- Store activity
- Operational compliance

How we talk about loss prevention

- ✓ Detects defined behavior patterns and events
- ✓ Raises suspicious activity indicators for staff review
- ✓ Keeps a clip and timestamp for every flagged event
- × Does not determine criminal intent
- × Does not replace human judgement on what happens next

— INDUSTRY 10 · CUSTOM / OTHER INDUSTRIES

Your Environment Is Unique. Your AI Should Be Too.

We don't simply install a generic AI model. We configure and train intelligence around your environment and requirements.

Healthcare, hospitality, government, events, transport or something entirely your own: if the rule can be seen on camera, it can be assessed.



— 08 · HOW THE TECHNOLOGY WORKS

From pixels to decisions.

Each layer has one job. Together they turn a video stream into a classified, logged and actionable event.

01

Camera layer

Standard IP cameras

→

02

Video stream

Live feeds per camera

→

03

AI / CV engine

GPU inference

→

04

Detection model

Trained per site

05

Business rules engine

Zones · time · SOPs

→

06

Event classification

Severity & type

→

07

Dashboard / database

Timeline · clips · reports

→

08

ERP · WhatsApp · Notifications

Where action happens

— 08 · TECHNOLOGY STACK

Proven, practical technology.

The stack used in our AI CCTV deployments. Components are selected per project based on scale, infrastructure and integration needs.

DETECTION MODELS

YOLOv8

Multi-class object detection, trained on site data (e.g. weapon, helmet, smoking)

AI BACKEND

Python · Flask

Inference services, rules and event APIs

DASHBOARD

React

Admin dashboard, live views and event timeline

COMPUTE

NVIDIA GPU · Ubuntu

GPU-accelerated inference on a local server

VIDEO INPUT

Standard IP cameras

Existing camera streams, where compatible

DELIVERY

Dashboard · WhatsApp · ERP

Alerts and data where your team works

09 · INTEGRATIONS

AI That Fits Into Your Existing Workflow.

Events become structured data, not isolated video. Each one carries a type, camera, time, zone and clip, so it can feed the systems you already use.

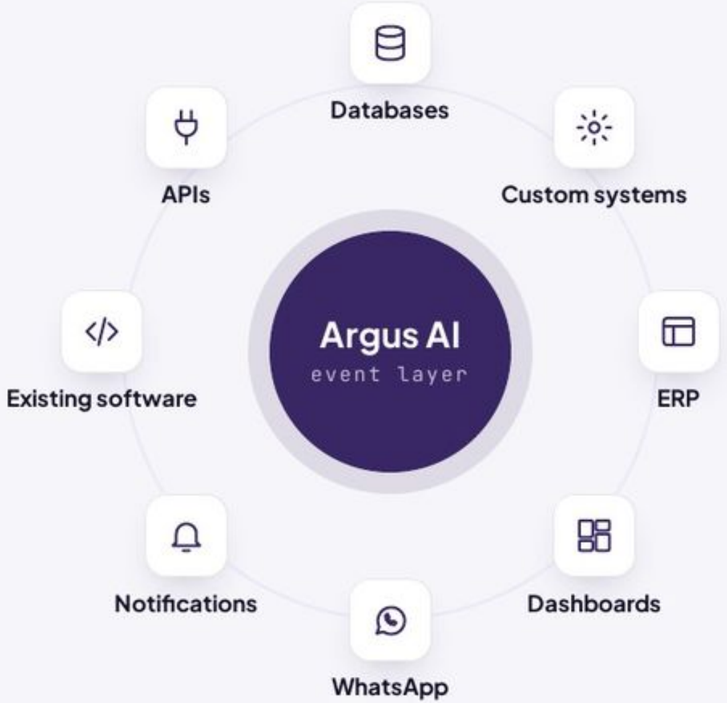
01 AI detects event

02 Event stored

03 ERP updated

04 WhatsApp notification

05 Management action




```
"event": "restricted_zone_entry", "camera": "CAM 12", "zone": "Aisle B", "time":
"14:32:08", "clip": "evt_0412.mp4"
```

— 10 · OUR IMPLEMENTATION PROCESS

From Information to Intelligence.

STEP 01
Information gathering
Understand the business

STEP 02
Environment assessment
Study the site

STEP 03
Solution design
Define the system

STEP 04
Onboarding
First branch / location

STEP 05
Model training & customization
Adapt to reality

STEP 06
Testing & validation
Measure and refine

STEP 07
Go-live & support
Operate and improve

— 10 · PROCESS · STEPS 01–03

Understand first. Design second.

01

Information Gathering

We first understand:

- Your business and environment
- Your camera setup
- Operational workflows and SOPs
- Your challenges
- Required detections and alerts
- Required integrations

02

Environment Assessment

We study:

- Camera positioning and angles
- Lighting conditions
- Coverage and blind spots
- Existing infrastructure
- Network conditions
- The operational environment

03

Solution Design

We define:

- Detection requirements and AI models
- Business rules
- Alert conditions
- Dashboard requirements
- ERP / WhatsApp integrations
- Reporting requirements

10 · PROCESS · STEPS 04–07

Configure, train, validate, then go live.

04

Onboarding

The first branch or location is onboarded and configured.

Up to 21

working days for the first branch

Depending on requirements, infrastructure, integrations and environment. A target, not an unconditional guarantee.

05

Model Training & Customization

The model is adapted to:

- Camera angles and lighting
- Objects and people
- Workflows and SOPs
- Business rules
- Real-world conditions

06

Testing & Validation

We test:

- Detection accuracy
- False positives / negatives
- Alerts and business rules
- Integrations and dashboard
- Reporting

Then refine based on real-world results.

07

Go-Live & Support

Alerts switch on and your team is trained.

- Accuracy shared in a deployment report
- Ongoing support via WhatsApp and email
- Rollout to further branches
- Continuous model improvement

— 11 · DEPLOYED RESPONSIBLY

Clear expectations make AI work in the real world.

Accuracy is measured, not promised

Performance depends on cameras, lighting and angles. We validate per site and share the numbers.

Humans stay in the loop

AI flags events and indicators. Your team decides what happens next.

Privacy by configuration

Only the detections you approve are enabled. Identity features only where lawful and agreed.

An audit trail by default

Every flagged event is logged with a clip and timestamp for review and reporting.

12 · WHY FUNTASH

Why organizations work with us.

01

One accountable team

AI, software, ERP and integrations under one roof.

02

Built around your operation

Rules and models designed for your site, not a template.

03

Works with what you own

Existing cameras where technically suitable.

04

Founder-led delivery

Technical direction from leadership on every engagement.

05

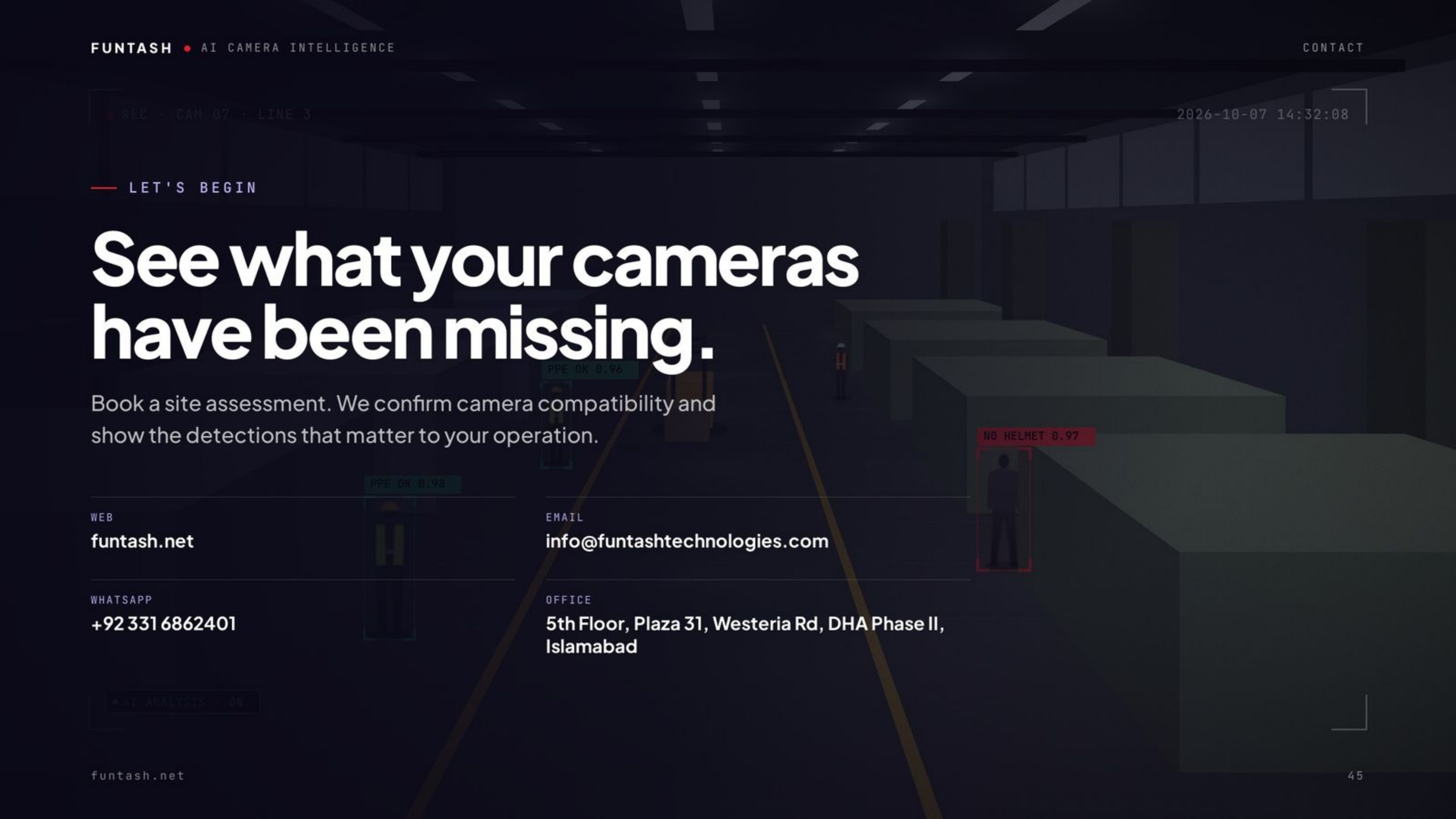
Plain communication

Written plans, honest timelines, direct access to the team.

06

We run our own products

Funtash maintains its own software suite, Argus AI included.



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