Human & Machine! Not versus…
For augmenting humanity's existence.

Our AI Products

Documents & Drawings – Read | Analyze | Process

AI-based Automatic License/ Number Plate Recognition

Automatic Weapon Detection

Unknown Face Detection

Abandoned Object Detection

Fire Detection using Existing Cameras

Other Product List

Document Analysis

Documents Analysis

- Extract and Interpret data from different documents

- Ensure end-to-end document processing

- Process a wide range of documents from structured to unstructured, recognizes different objects like tables, handwriting, signatures, or checkboxes, and deals with various file formats.
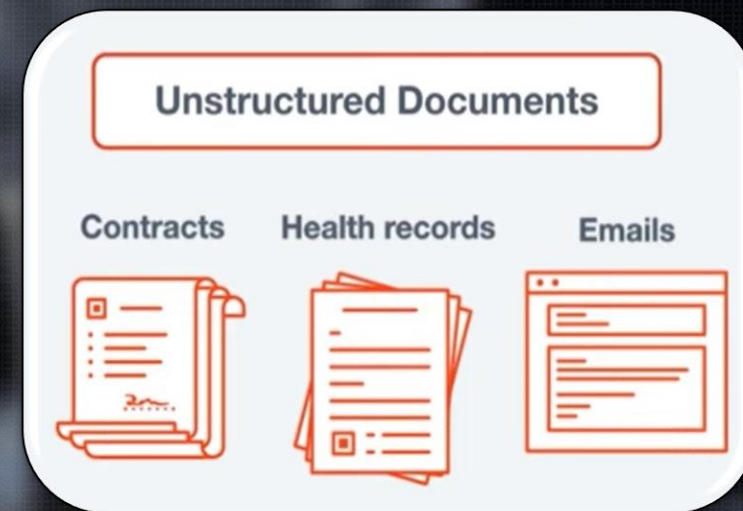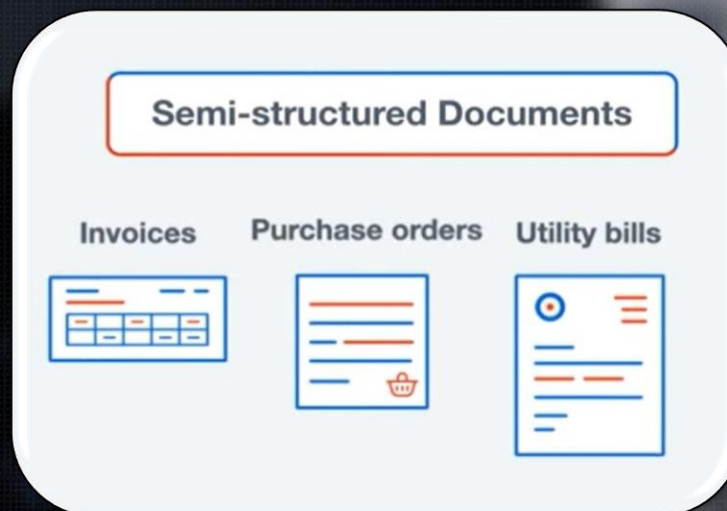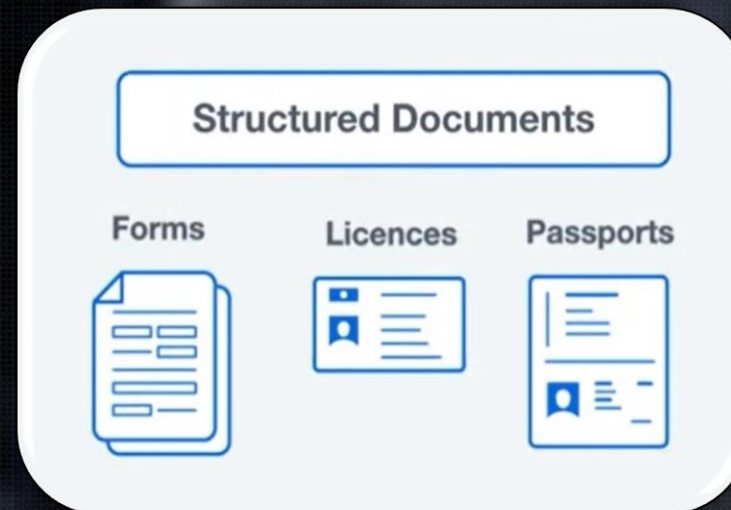
Benefits

| Automating data entry | Standardising and centralising document/data storage | Extracting information to highlight red flags and missing data fields | Customer Satisfaction | Enhance Approval KPI | Reduced Human Interaction | Standardization of submissions | Optimize Verification |

52% REDUCED ERRORS

35% REDUCED COST

17% REDUCED TIME

Application

Insurance

Government Agencies

Biotechnology & Healthcare

Digital Archives

Banking & Finance

Shipping & Delivery

Logistics & Warehousing

Legal

HR & Administration

Manufacturing

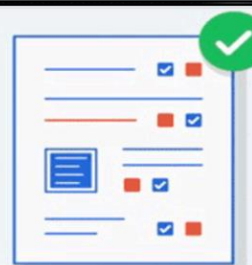Retail

Different Formats

Handwriting

Low Quality

Signatures

Checkboxes

Varying Templates

AI – based ALPR / ANPR

AI - based ALPR / ANPR

- Accurate, Fast Deep Learning, and AI-based algorithms enable License Plate Recognizer to detect and recognize number plates with an accuracy as high as 98%.

- Detects and recognizes license plates on moving or stationary vehicles

Benefits

- Detect, recognize and search for license plates in real-time or archived footage.

- Enables security professionals to shortlist, target, and identify "wanted/ stolen/ suspicious/ lost" plates.

- Enables automated matching against a watch list with real-time alerting.

- Allows vehicles to be tracked across multiple cameras or locations.

- Records and logs all license plates at a scene for later forensic investigation.

- Easy to deploy with a wide variety of cameras.

- Improves security and increases productivity and efficiency of security professionals.

Application

Average Speed

Smart Highways

Low Emission Zone Enforcement

Environmental Studies

Intelligent Traffic Monitoring

Tolling

**Access Control**

Journey Time Analysis

**Car Park Management and integrated systems**

Automatic Weapon Detection

Automatic Weapon Detection

- Our AWD is a family of smart and adaptable object recognition algorithms and automatic detection of an ever-expanding list of dangerous, prohibited, and contraband goods.
- Detecting handguns (pistols, revolvers), gun parts, ammunition, as well as fixed-blade knives (min. length ~6cm).
- Capability of processing video feeds in real-time to identify high-risk weapons. Once a risk is identified, the platform instantly triggers alerts & sends them directly to securities departments.
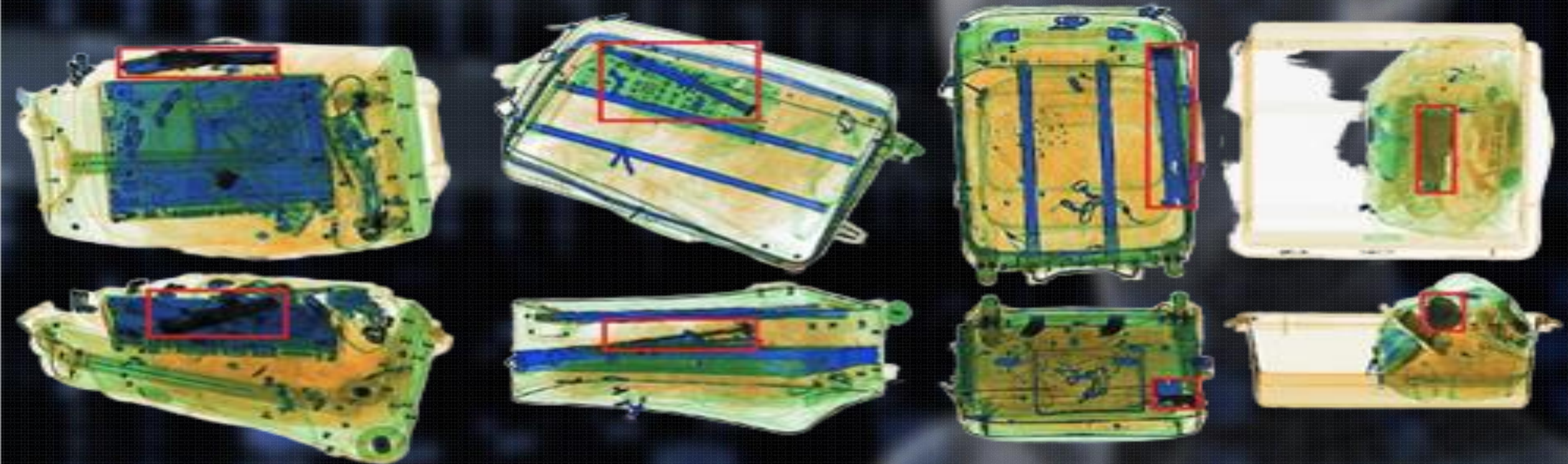
Automatic Weapon Detection
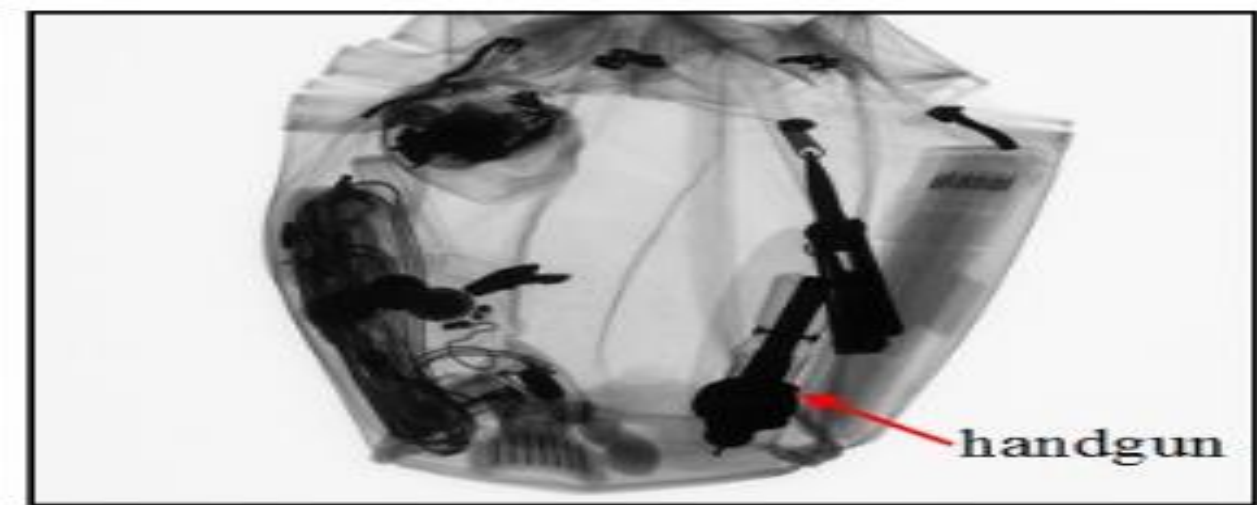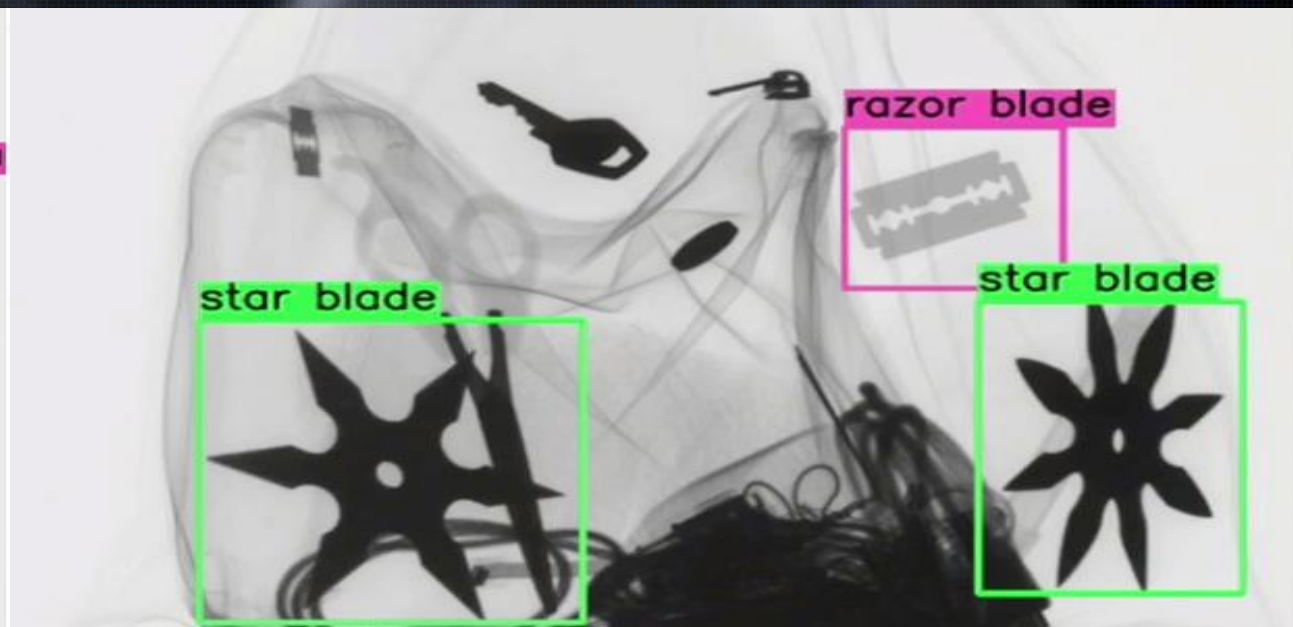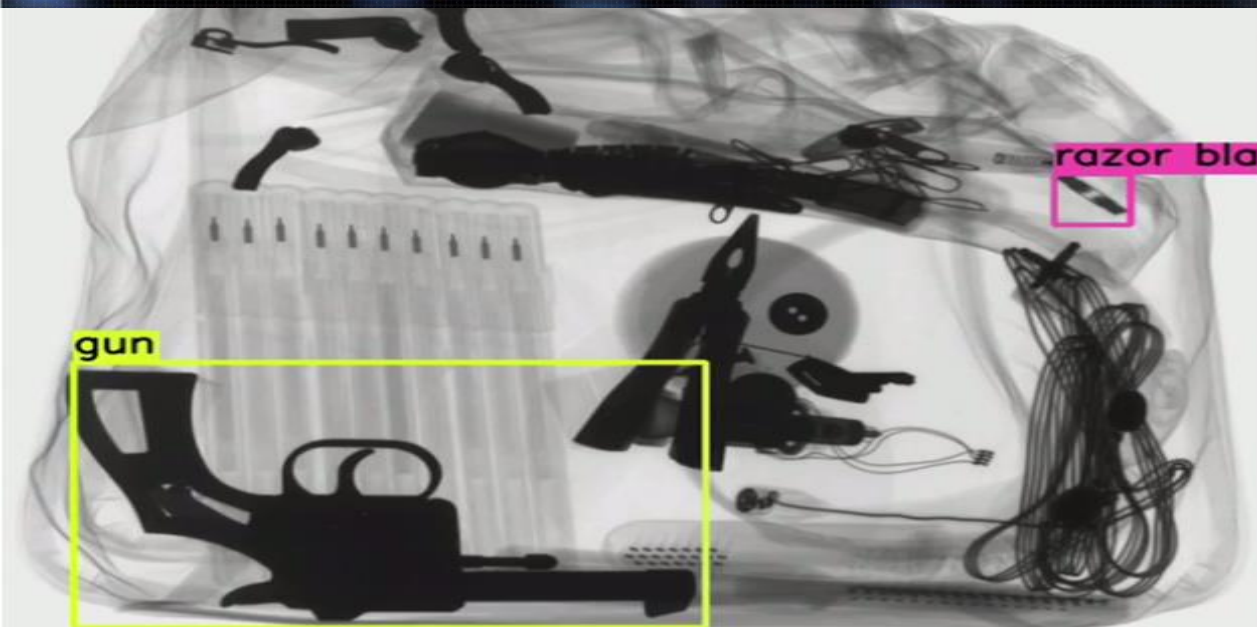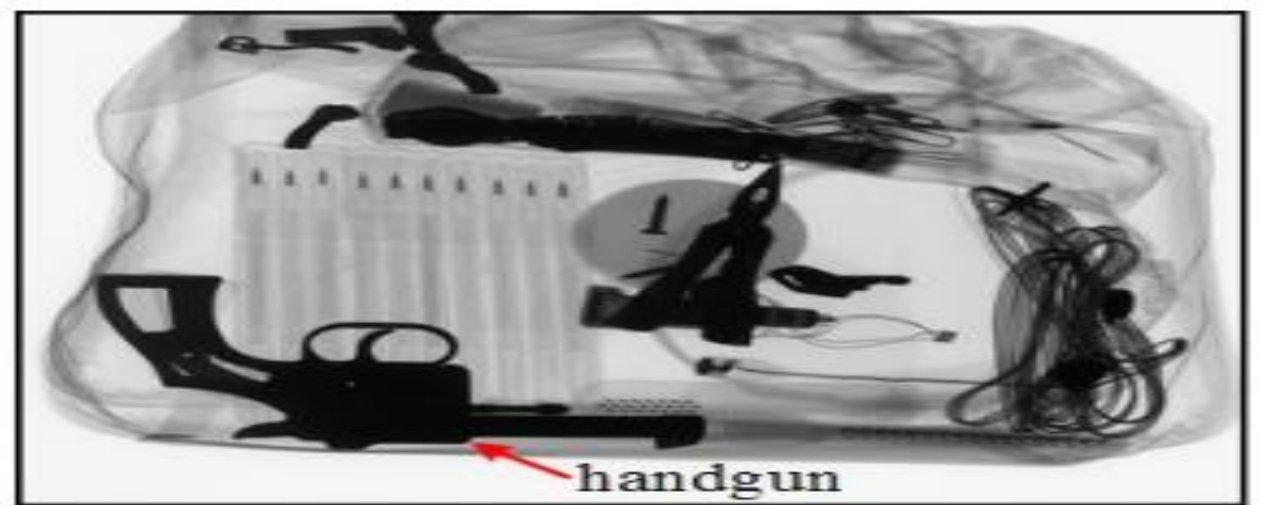
(a) (b)

Benefits

- Accurate, reliable and powerful detection
- Invaluable support for security operators
- High probability of detection
- Low false alarm rate
- Supports risk-based screening
- Reduce the burden on all image analysts & less experienced operators.
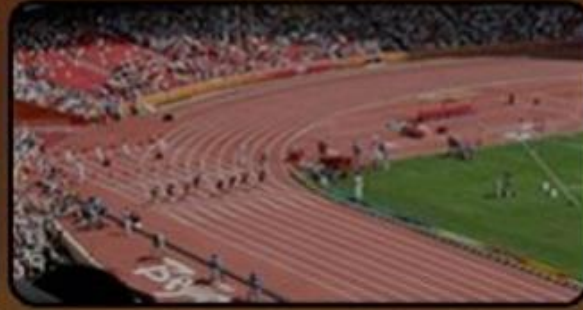
Guns   Gun Parts   Ammo   Sharps

Application

Shopping Mall

Concerts

Sporting Events

Office

Airports

Important Buildings

Car Parking

Barrier

Unknown Face Detection

Unknown Face Detection using deep learning technology

- Our Unknown Face detection software matches the faces captured by the network camera against the faces of persons already registered in the database.
- In addition, using operations from a client terminal, it is possible to search for the face of the person subject to the notification, and check the image which captured that person.
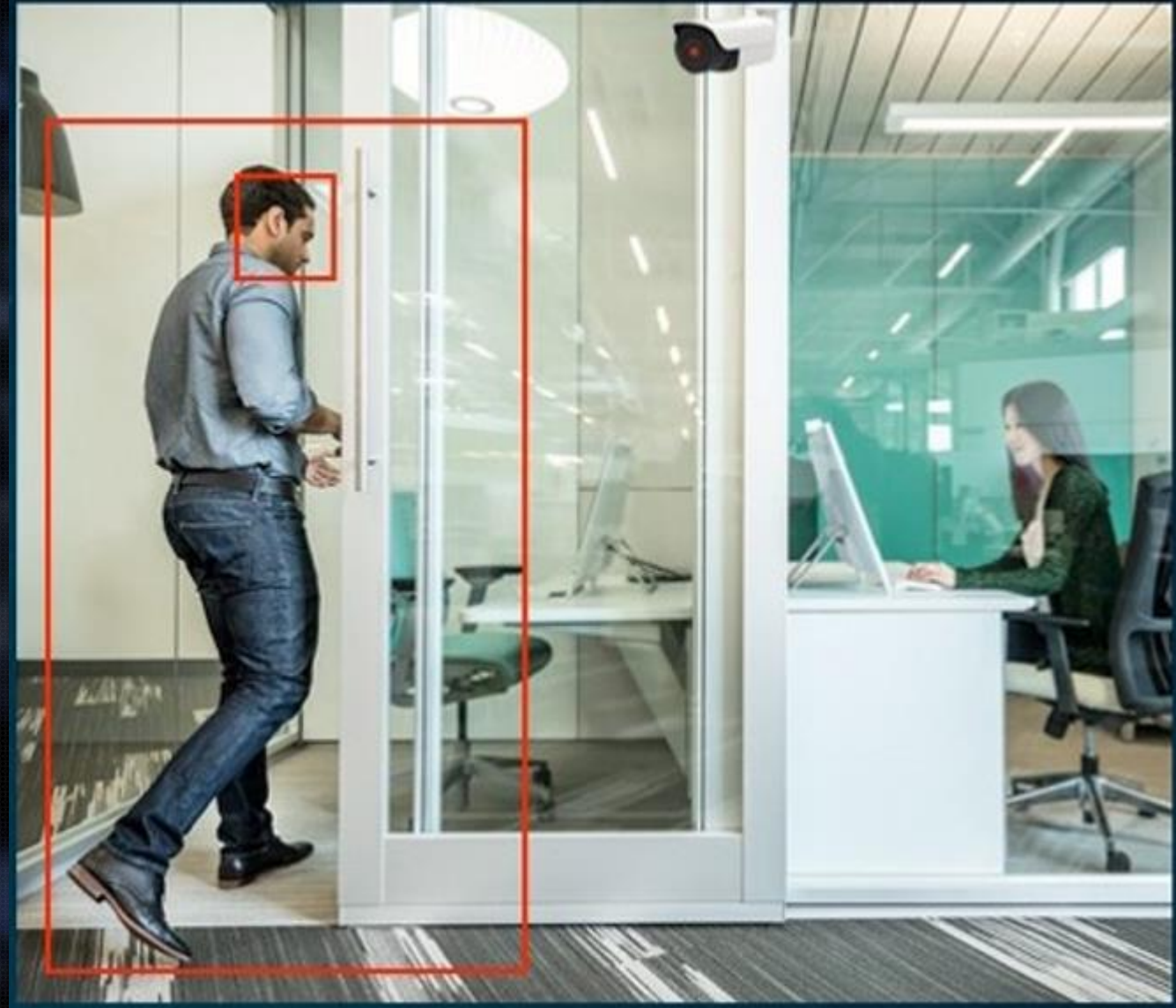
Benefits

- High performance Deep Learning facial recognition function distinguishes face orientation.

- Register faces by area and issue notification if an unregistered person is detected.

- Display history in format list.

Application

- Unknown face detection
- Intruder detection
- Unauthorized access of premise
- People counting
- Unauthorized eating or drinking in a premise.

Office / LABs
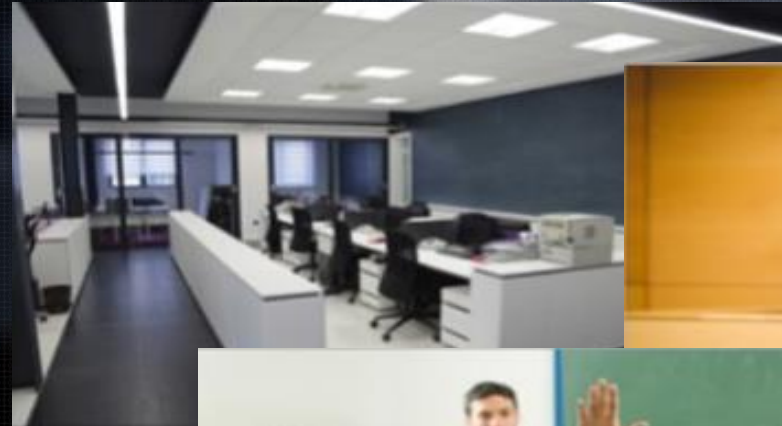
Public Facility

School

Airport

Retail

Abandoned Object Detection

Abandoned Object Detection

- AI-Lost allows to detection of abandoned and/or removed objects in indoor or public places.
- Algorithm is specially tuned to handle crowded scenes. This analysis adds maximum intelligence to surveillance applications.
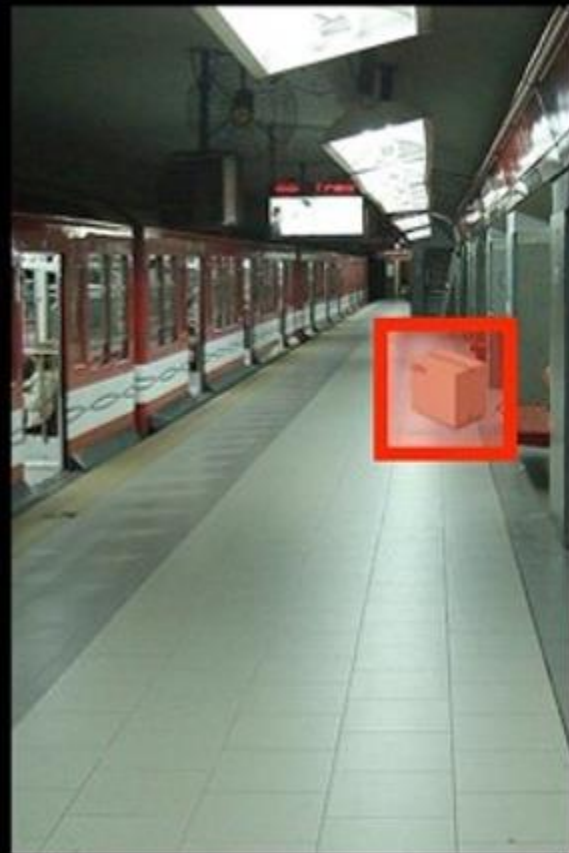
Benefits

- AI-Lost can be installed both indoors and outdoor. The permanence time of the objects inside the scene can be set by the user in a range of 1-10 minutes, depending on the particular application field
- System can learn and identify temporary background changes to avoid false alarms.
- Pre-Event recording feature is available.
- Very accurate even in low light conditions.

Application

Shopping malls

Abandoned baggage in public places

Railway tracks

Airports

Train stations or metro stations

Garbage abandoned on the street

Paintings or artworks thefts in a museum.
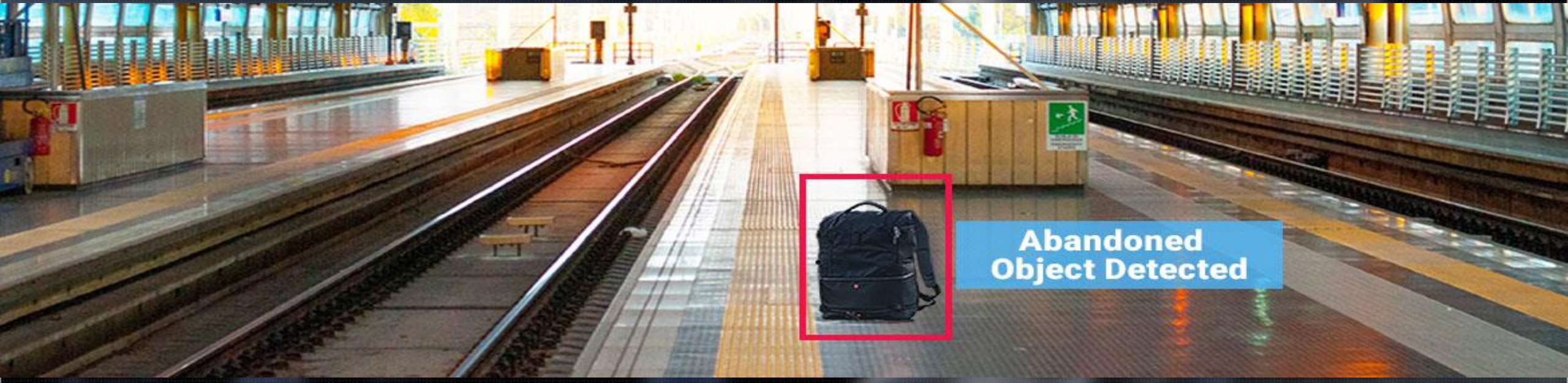
Abandoned Object Detected

Fire Detection

Fire Detection using existing cameras

- We have developed an image processing-based solution to detect fire and smoke. This, in other words, means that standard CCTV cameras that are used for scene surveillance can also be used to trigger fire alarms.

Benefits

- Both fire and smoke can be detected with more than 99% accuracy and less than 1.0% false alarm rate.

- Both indoors and outdoors solutions are available.

- Drastic illumination change tolerant (highly suitable for outdoor use).

- Weather change tolerant.

- Both the solutions can find potential military use as-well.

- NOTE: As per IEEE the conventional sensors have difficulty detecting fire and smoke in open.

Application

Hospitals	Schools	Manufacturing Plants	Critical areas
Tunnels	Gas stations	Airports	Train stations
	Oil and Gas Industries	Smoke detection for Forest Fires	

Other Product List

Chatbot

- Library Management
- Web Site based FAQ
- Sales/ Tech Assistant for e-commerce site, Customer Service

Prediction

- Forex Prediction
- Stock Market Prediction
- Crypto Prediction
- Commodity Price Prediction
- Load Prediction (Solar)
- Failure Prediction (Network / Power)

Visual Detection

- Eating, Drinking, Sleeping action detection.
- Car lane changing without giving indicator
- Disease Detection

Action Detection

- Custom algorithm to detect speed of a moving object
- Custom algorithm to detect safety regulations (on site wearing helmet or not)

Custom Coding

- Writing custom algorithms depending on the challenge
- Writing back-end APIs

THANK YOU