WebOccult

AI POWERHOUSE

Shaping the Future with Intelligent Solutions

Company Overview

Growing Since 2015...

Clients

synx | eat card | STXNEXT | hotjar | learners.ai | BRADKEN

MACONDO VISION | mEinstein | INFRASONIC CONSULTING | mBurse | evi INDUSTRIES | Saturn Advice

Partners

DNA | memryX | Lanner | Archtech AUTOMATION | ArchiTek

network techlab | YUAN | InVid Tech | forecr | Indian Infotech

Team

180+

AI/ML Solutions

100+

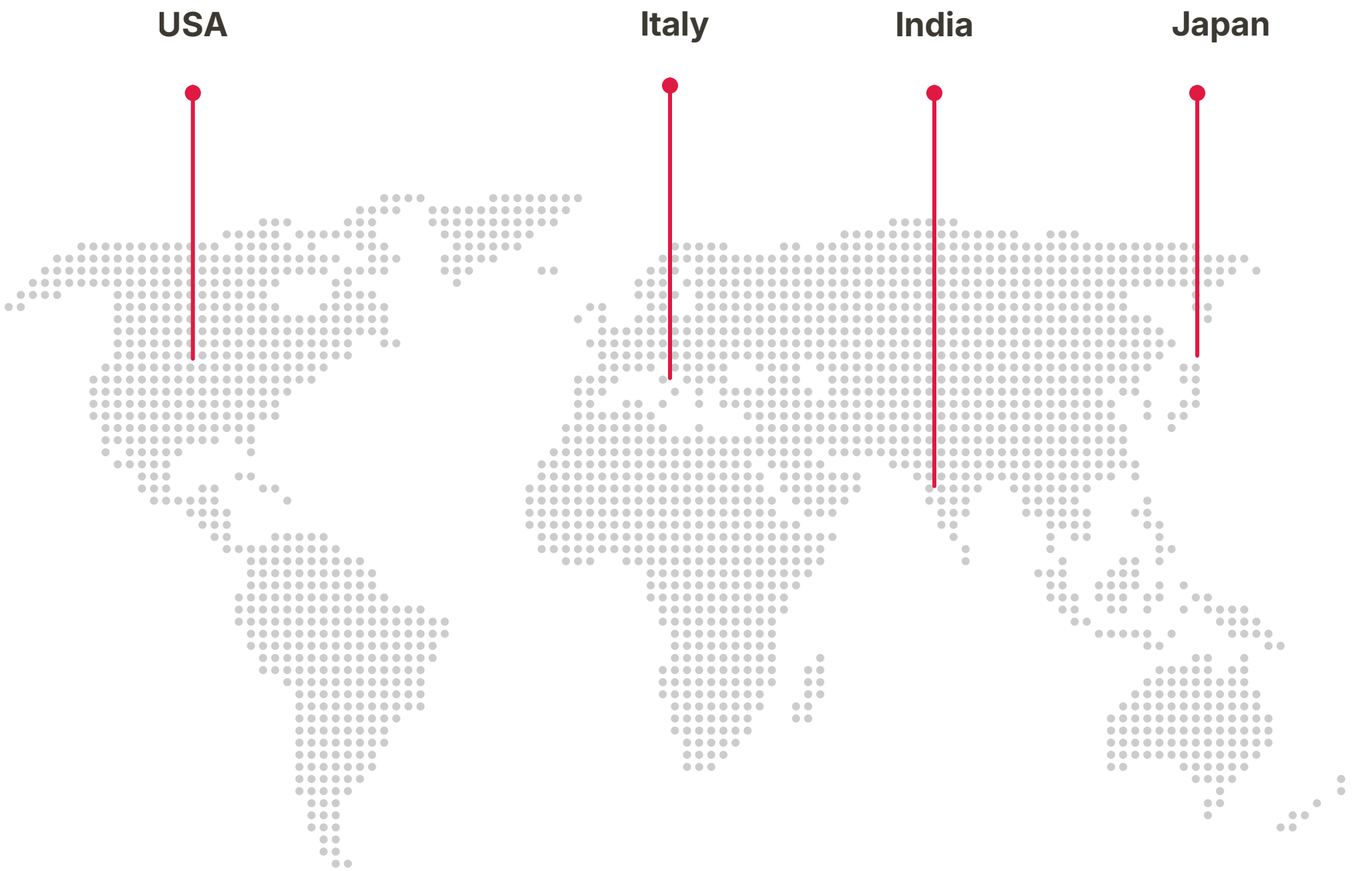
Projects

950+

Global Partners

55+

Presence around the globe



GLOBAL PRESENCE

USA

Black Mountain, NC 28711, United States

JAPAN

4th Floor, Shinbashi Ekimae Building No.1, 2-20-15 Shinbashi, Minato-ku, Tokyo, 105-0004, Japan

ITALY

Via Istria 7, 20811 Cesano Maderno (MB), Italy

GLOBAL DELIVERY & RESEARCH CENTER

INDIA

402-403, Akik Tower, Near Pakwan Dining Hall, S.G. Highway, Ahmedabad - 380054, Gujarat, India

NVIDIA Inception Program

an NVIDIA Inception Program member

Key Solutions to aim forward

Computer Vision

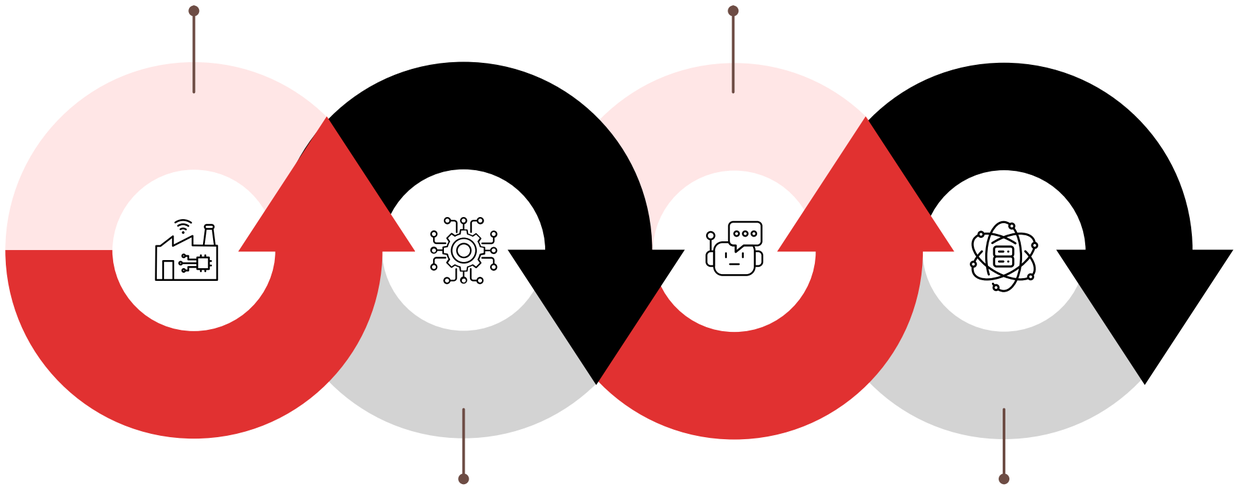
- Image and Video Processing
- Machine Learning / Deep Learning Model Training
- Data Annotation
- Edge AI Computing

Smart Factory (IIoT)

- Smart Sensor Integration
- Remote Monitoring Systems
- Predictive Maintenance Tools
- IoT Data Analytics

ChatBots

- AI-Powered Virtual Assistants
- Multilingual Support Bots
- Lead Generation Automation
- Customer Service Bots



ERP Software & CRM Integration

- Custom ERP Development
- System Workflow Automation
- Third-Party Software Integration
- Hubspot, Odoo, SalesForce, SAP, Power BI

Data Science

- Predictive Analytics
- Data Visualization
- Business Intelligence (Power BI)
- Forecasting & Trend Analysis
- Big Data Processing

Company Key-members

Ruchir Kakkad
Executive Director

Disha Joshi
Managing Director

Bhumin Vadalia
Business Director

Hardik Sonchhabda
COO

Business Partners

Smit Khant
USA

Kota Harada
Japan

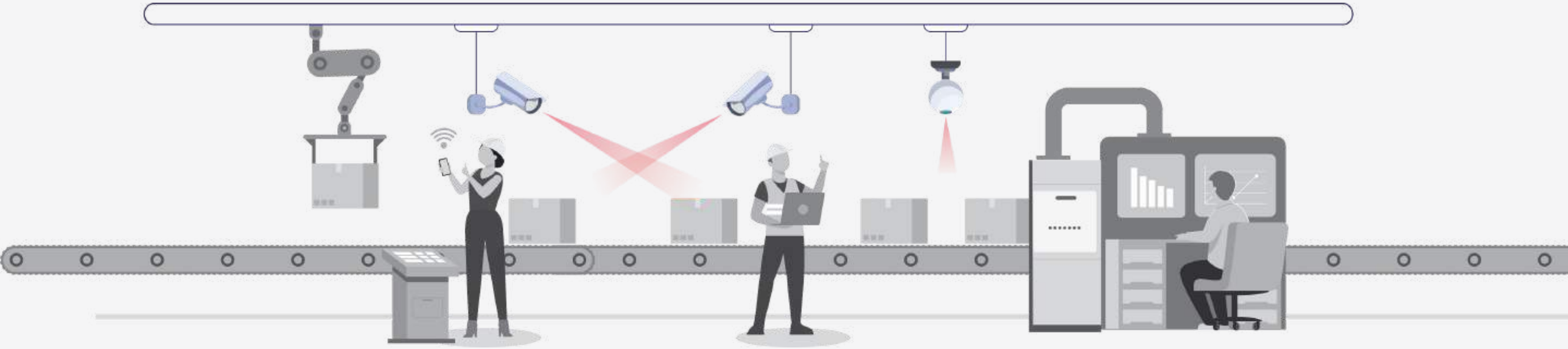
Antonio Di Ninno
Italy

Pieter Meyer
USA

Jaisheel Chhatrawala
Germany

Pritesh Shah
Singapore

gotilo



WebOccult’s **Productized Vision** for Smarter, Safer Operations

What is Gotilo?

Gotilo is a productized AI Vision suite from WebOccult, built to transform industrial operations with ready-to-deploy solutions. By combining advanced computer vision, industrial camera integration, and modular design, Gotilo empowers enterprises to improve safety, detect defects with precision, automate logistics, and deliver measurable ROI at scale.

The Gotilo Suite

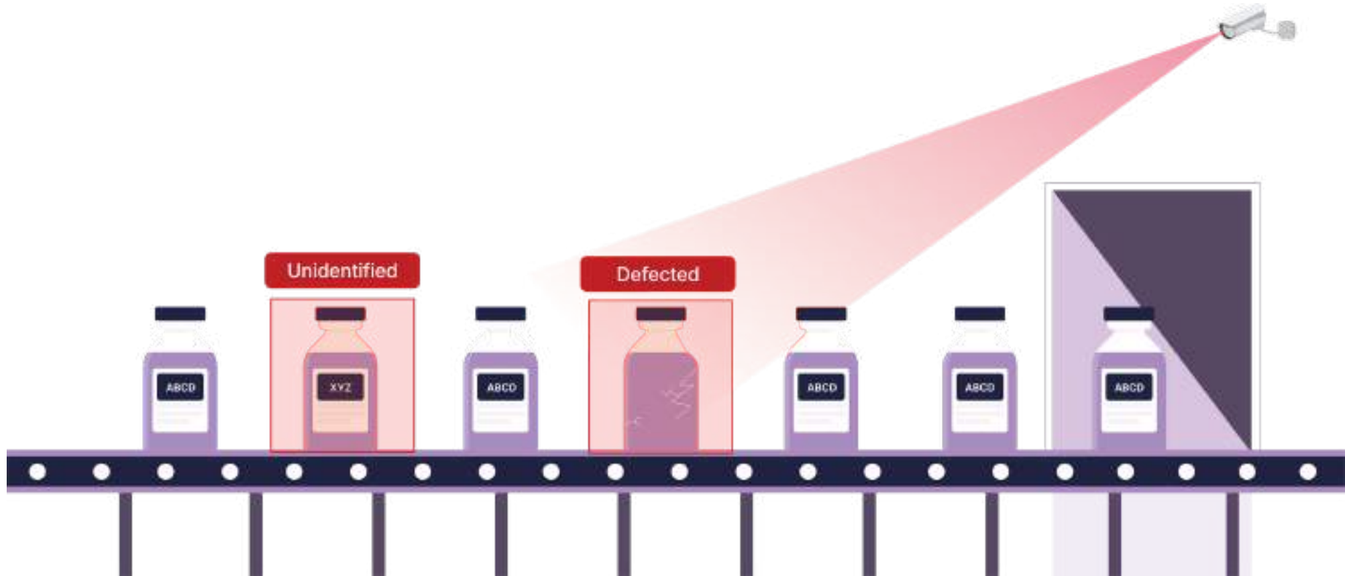
Together, they turn **vision into impact**

gotilo Inspect

It is more than monitoring, it’s awareness in motion. Designed to bring intelligence to human environments, Spot creates a culture of vigilance, trust, and protection, ensuring people and spaces remain safe without disruption.

Capabilities that Matter

- Visual Defect Detection
- Instance Counting & Yield Analytics
- Industrial OCR
- Part/Model Identification
- Golden-Image / A-B Comparison



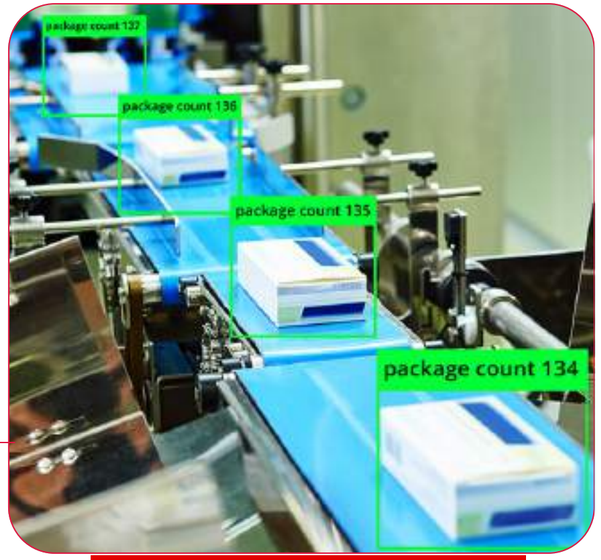
Production Line Visualisation

Customer:

A big Cosmetics Manufacturing and Packaging company dealing in multi-variety productions.

Project Details:

- **Duration**: 3 Months
- **Technologies**: OCR, Machine Learning, Python, PyQt, MongoDb, Kafka



Problem:

The company lacks an automated system to accurately count manufactured products, causing inefficiencies, errors, and limited visibility into production metrics.

This hinders **productivity, waste reduction, and process optimization.**

Solution:

Deployed a **Computer Vision System** with **Industrial cameras** fitted on Top of Each Line.

- AI Model counts products in real time.
- The Data is transmitted to the Web Platform continuously.
- The System is also able to configure multiple Production lines by managing the Cameras, Shift, and Products data Dynamically.

15% ↑
Production Efficiency

25% ↓
wastage

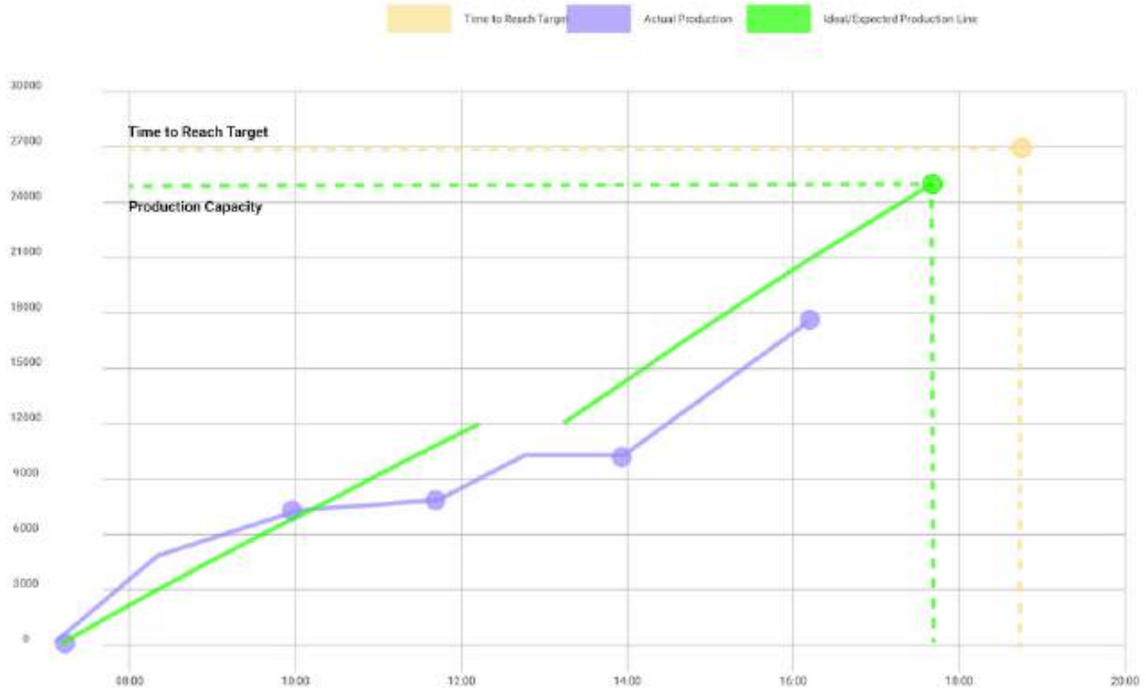
Production Line Visualisation

Key Features:

Real-Time Monitoring

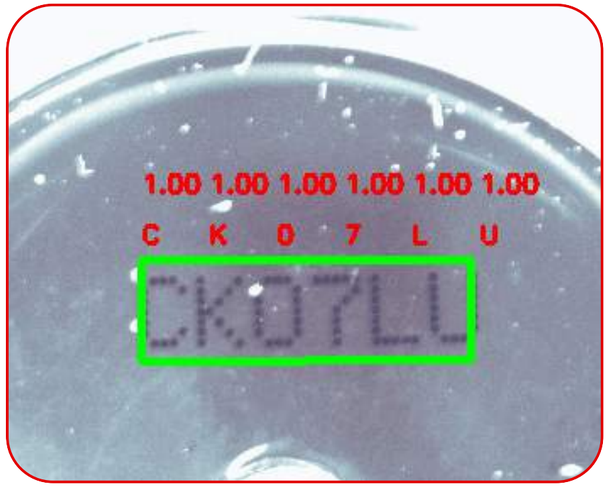
Auto-Training Pipeline of New Productions

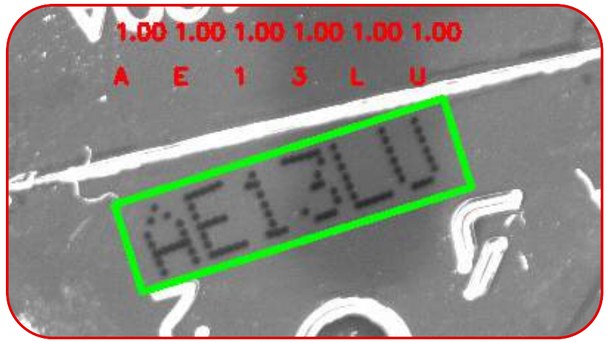
Live Comparision: Actual Production vs Planned Production



Inkjet Print Verification on Bottle

Correct Results

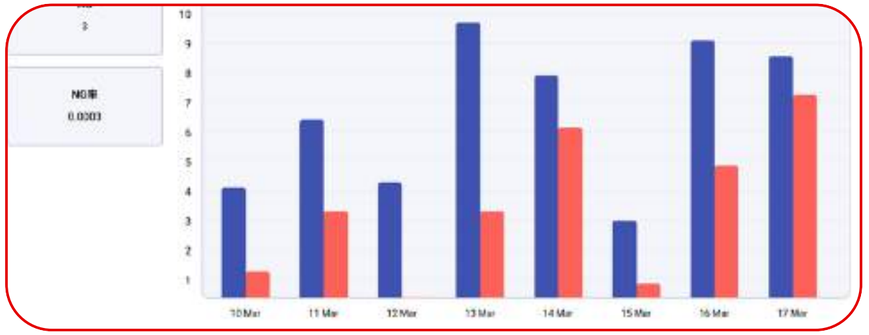




Incorrect Results

Partially Printed Characters

Production Line-wise Reports & Log



Model: Anomalies Detection on Bottle

Customer:

A company in Japan that manufactures glass bottles for medicines.

Project Details:

- **Duration**: 3 Months
- **Technologies**: Deep Learning, MongoDB, RabbitMq, Python

Problem:

The company produces more than **100k+** bottles every day.

- They have to QC each bottle manually.
- Manual QC takes too much time and prone to errors
- Lot of people needs to be allocated due to high volume.

Solution:

Deployed a **Computer Vision based system** with **Industrial cameras** fitted in a way that captures the bottom view.

- The Camera captures the photo on the trigger of the sensor. The photo is sent to the processor.
- The system performs OCR and provides results.
- The System also cross-verifies the correct sequence by comparing the OCR result with the serial number received from the printer.

100%

Accuracy in false print detection

<1 Sec

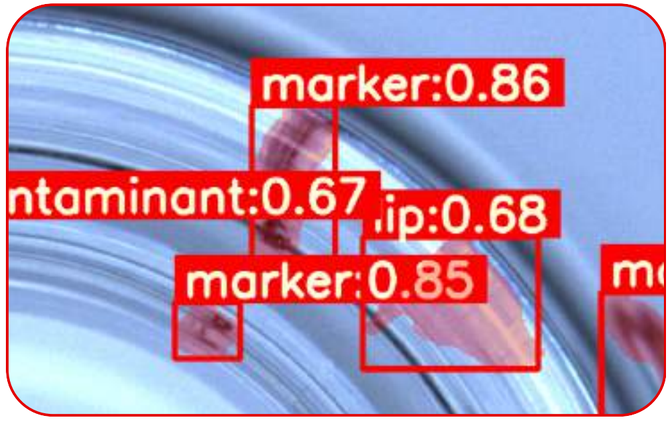
time between OCR & real-time alerts

Model: Anomalies Detection on Bottle

Bottom View - Defective Glass Bottles

Front View

AI Model Outputs - With segmentation and Classification of Defects



Double Stamp Fault Detection on Steel Plate

Customer:

One of the **Top 5** Steel Manufacturing Company in Japan.

Project Details:

- **Duration**: 4 Months+
- **Technologies**: OCR, Machine Learning, Python, PyQt, MongoDB, Kafka

Problem:

This 24X7 running company has assigned persons to verify the engraving on the Steel Plate by the Machine.

- **Double Stamping** of characters makes it hard to interpret
- **Manual verification** of “To be Printed” Vs “Actually Printed”

Solution:

We have designed a **Desktop Application** that performs the OCR (Optimal Character Recognition) on the images.

- High-end Industrial Camera captures and sends the images to the Edge Processing Device for OCR.
- The Application compares the OCR results with the correct sequence of the Characters Received separately from the PLC.
- The comparison result is displayed on a screen attached to the Edge Device.

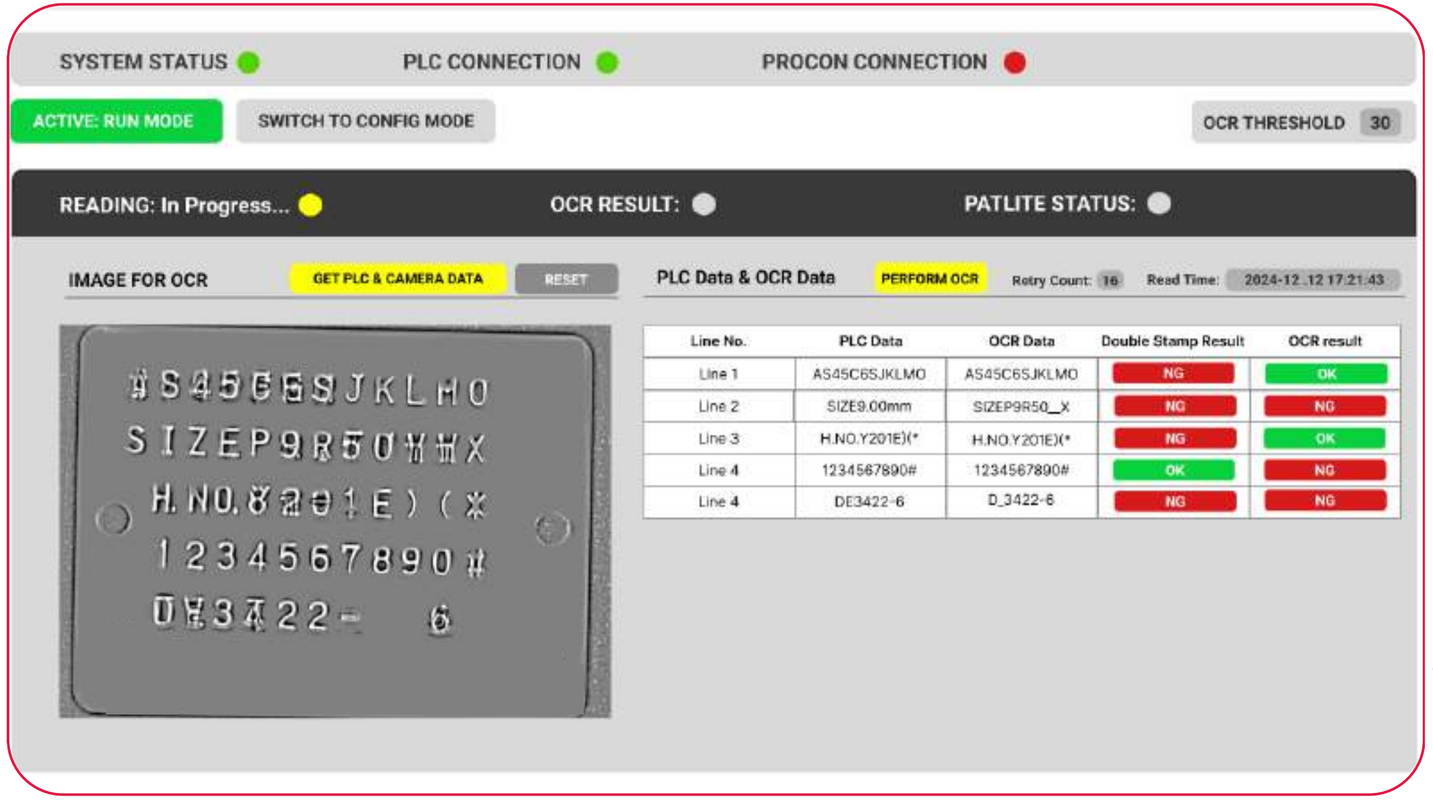
100%

Accuracy

No Manual Intervention required

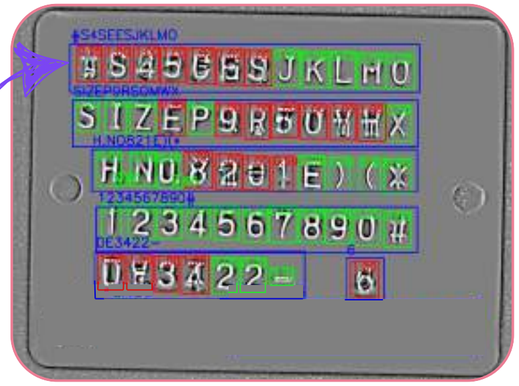
Double Stamp Fault Detection on Steel Plate

Live Comparison Screen
Image vs PLC Data



Model Output with OCR and
Double Stamp Detection

Characters
with NO
Double Stamp
Detection



Characters
with Double
Stamp
Detection

Model: Steel bar counting

Customer:

One of Japan's leading steel manufacturing plants.

Project Details:

- **Duration**: 1 Month +
- **Technologies**: Deep Learning, OpenCV, Python, PyQt, SQLlite, Edge computing device

Problem:

- The steel plant workers face challenges in accurately counting steel bars during production due to:
- Low Lighting Conditions
- Constantly Moving Steel Bars
- Impossible to visualise the Entire Steel Bar due to its length.
- Steel Rods can be of different Widths & Breadth.

Solution:

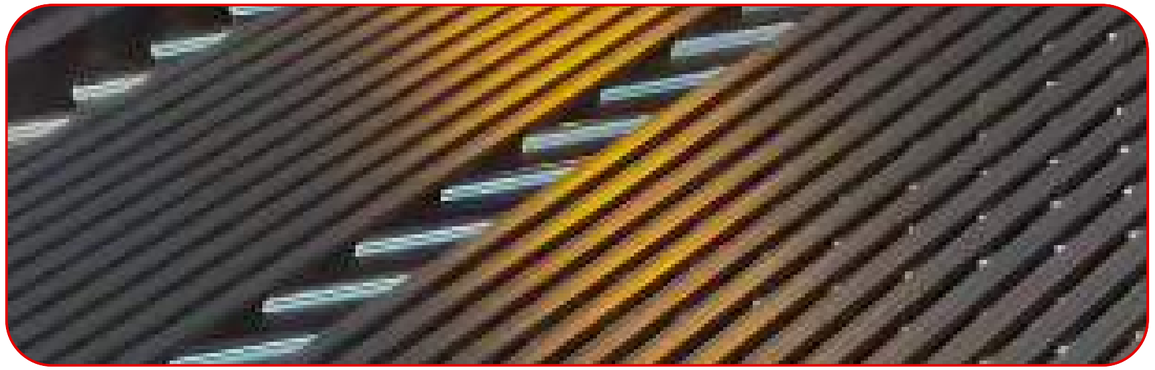
- We have developed a Desktop Build that runs our detection Model.
- It counts steel bars within the **dynamically** drawn region of interest (**ROI**) using a segmentation model.
- Object bounding boxes are utilized to count the steel bars, and the real-time count is displayed on the screen.
- The Model is trained under varying **lighting conditions**
- Due to the limited **Dataset**, the new dataset was generally using **Augmentation** methods.

100%

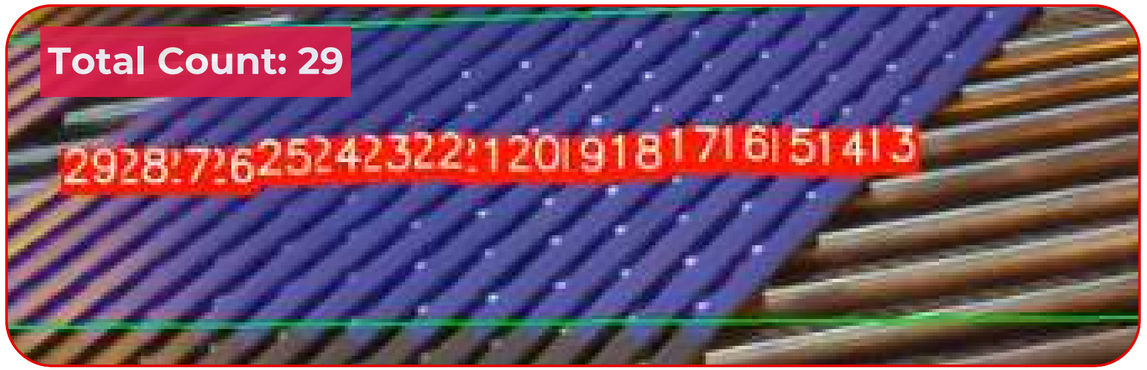
Accuracy

Model: Steel bar counting

Sample images



Model Output images



LED Screen Defect Inspection

Customer:

A global screen inspector and repair company.

Project Details:

- **Duration**: 5 Months
- **Technologies**: Tensorflow, Deep Learning, AI Vision, OpenCV, Python

Problem:

- Manual inspectors fail to consistently detect micro-defects such as scratches, dead pixels, and discoloration.
- Backlog in inspecting screens due to manual process.
- Heavy loss due to Increased warranty claims and customer dissatisfaction due to undetected defects.

Solution:

- We developed an AI-powered defect detection system. This system handles the high-resolution imaging captured from an industrial camera and receives it via Trigger signals.
- It automatically detects surface damage and anomalies such as cracks, scratches, and dents in real-time and displays them in the output screen.
- A centralized dashboard provides defect location, classification, and reports for quality audits and process optimization.

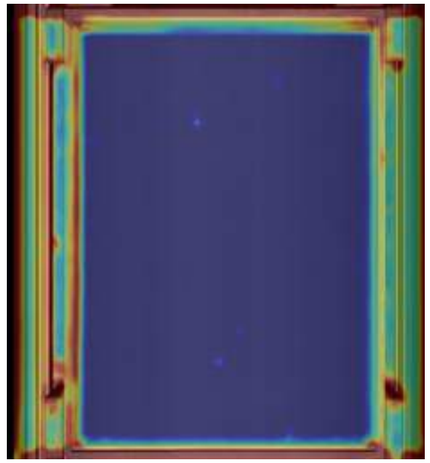
96%
Accuracy

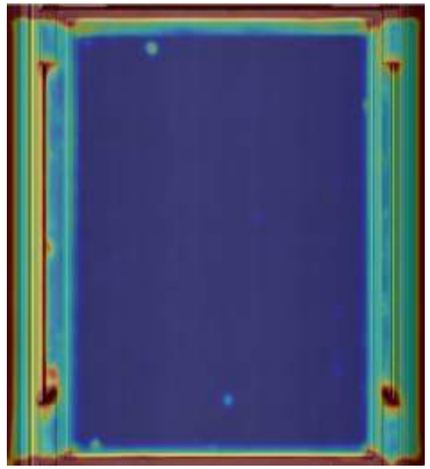
75%
Reduction in time for Manual Verification

Screen Defect Detection

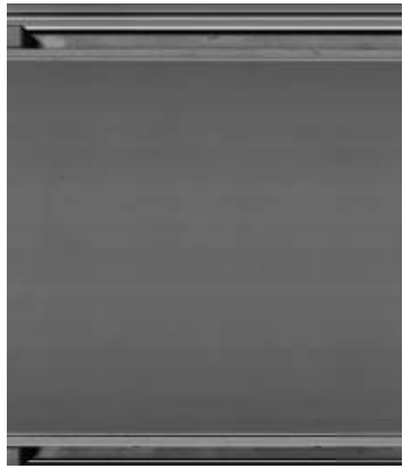
Input Image

Output image

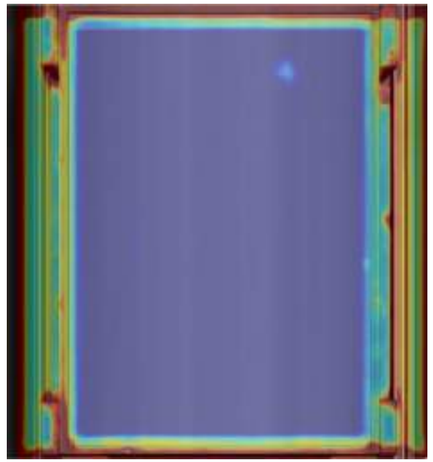


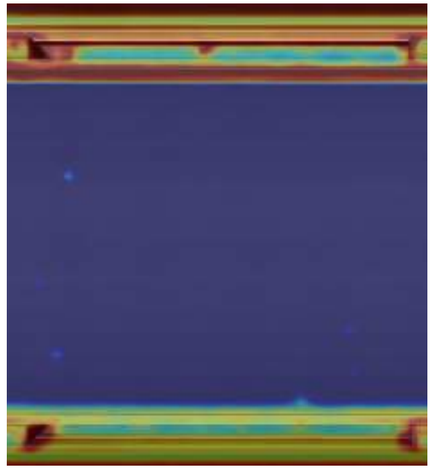


Input Image



Output image





Glass Fill Level detection

Customer:

The customer operates a food chain, including restaurants and bars.

Project Details:

- **Duration**: 2 weeks+
- **Technologies**: Deep Learning, OpenCV, Python.

Problem:

The Restaurant owners at restaurants often face difficulties in:

- Keeping a constant watch on the Fill levels of the Drink
- Suggesting/asking for the next drinks Timely manner.

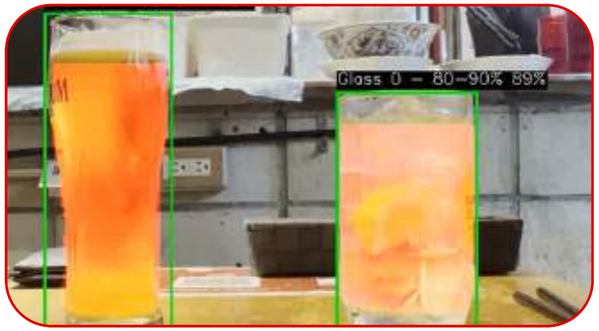
Solution:

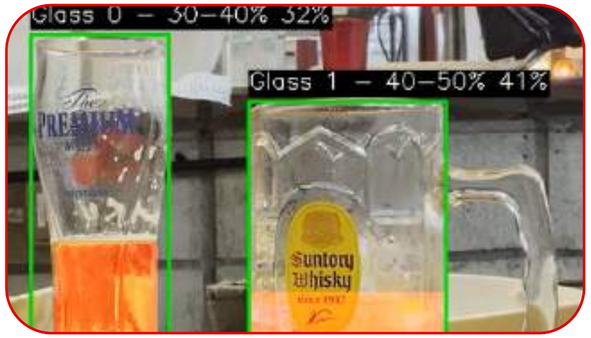
- We have developed an AI model using a segmentation technique that accurately identifies the drink level in a glass.
- When the drink level drops below fixed level, the model triggers an alert, enabling store owners to recommend the next drink to the customer promptly.

%

Accurate % provide for full vs. empty glass accurately.

Glass Fill Level detection





Drink % of Glass 1	Drink % of Glass 2
89%	**78%**

Drink % of Glass 1	Drink % of Glass 2
32%	**41%**

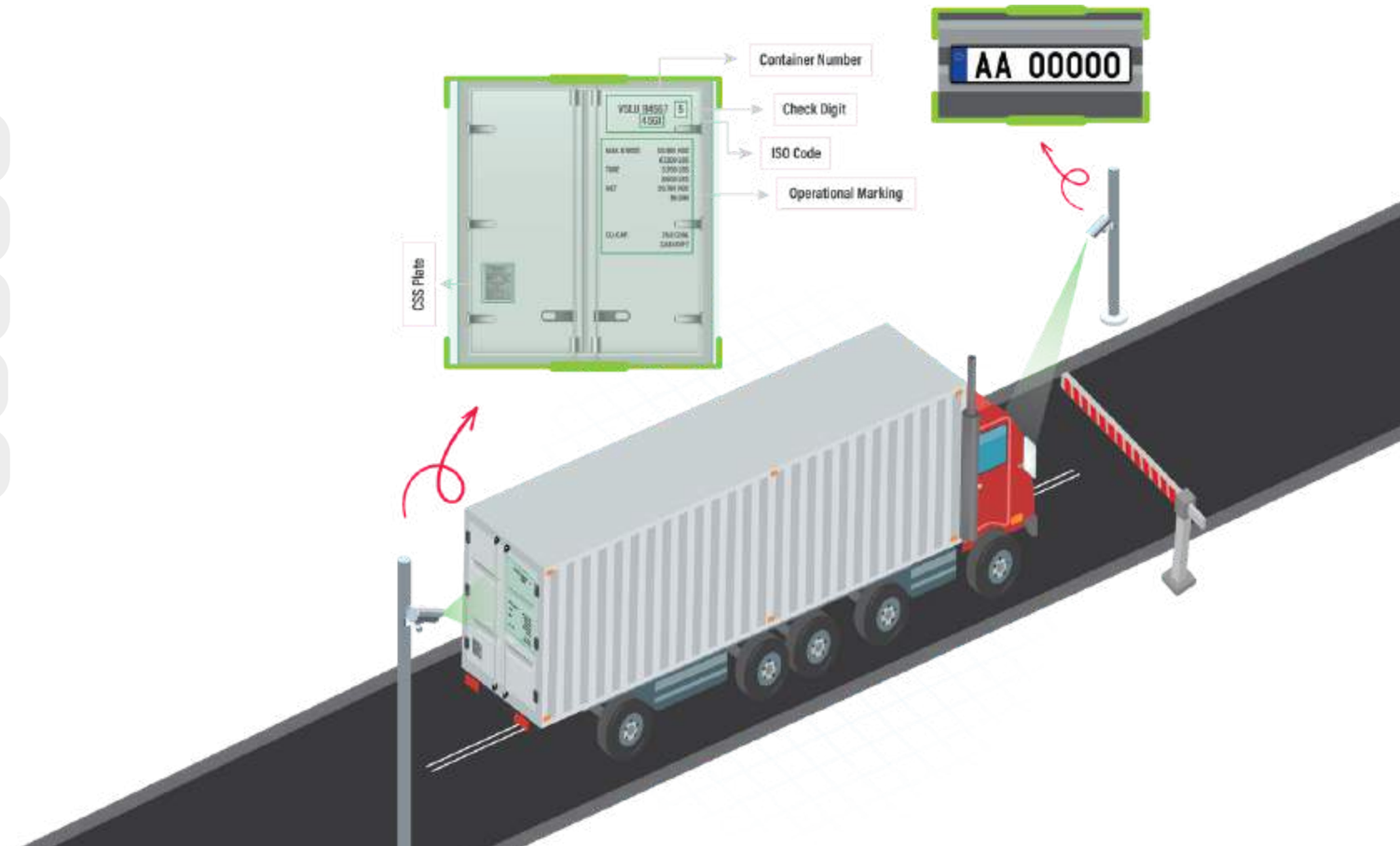
Drink % of Glass 1	Drink % of Glass 2
15%	**0%**

gotilo Container

It is clarity for the world in motion. By bringing structure and intelligence to global logistics, it makes complexity simple, movements traceable, and operations seamlessly connected across borders and industries.

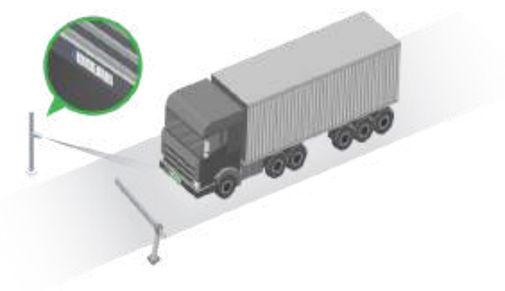
Capabilities that Matter

- ISO 6346 Container Code OCR
- Container Damage Localization
- Container ID–Based Tracking
- Multi-Object Vehicle Tracking
- ANPR - Automatic Number Plate Recognition



Solution Overview

Cargo Number and Container OCR



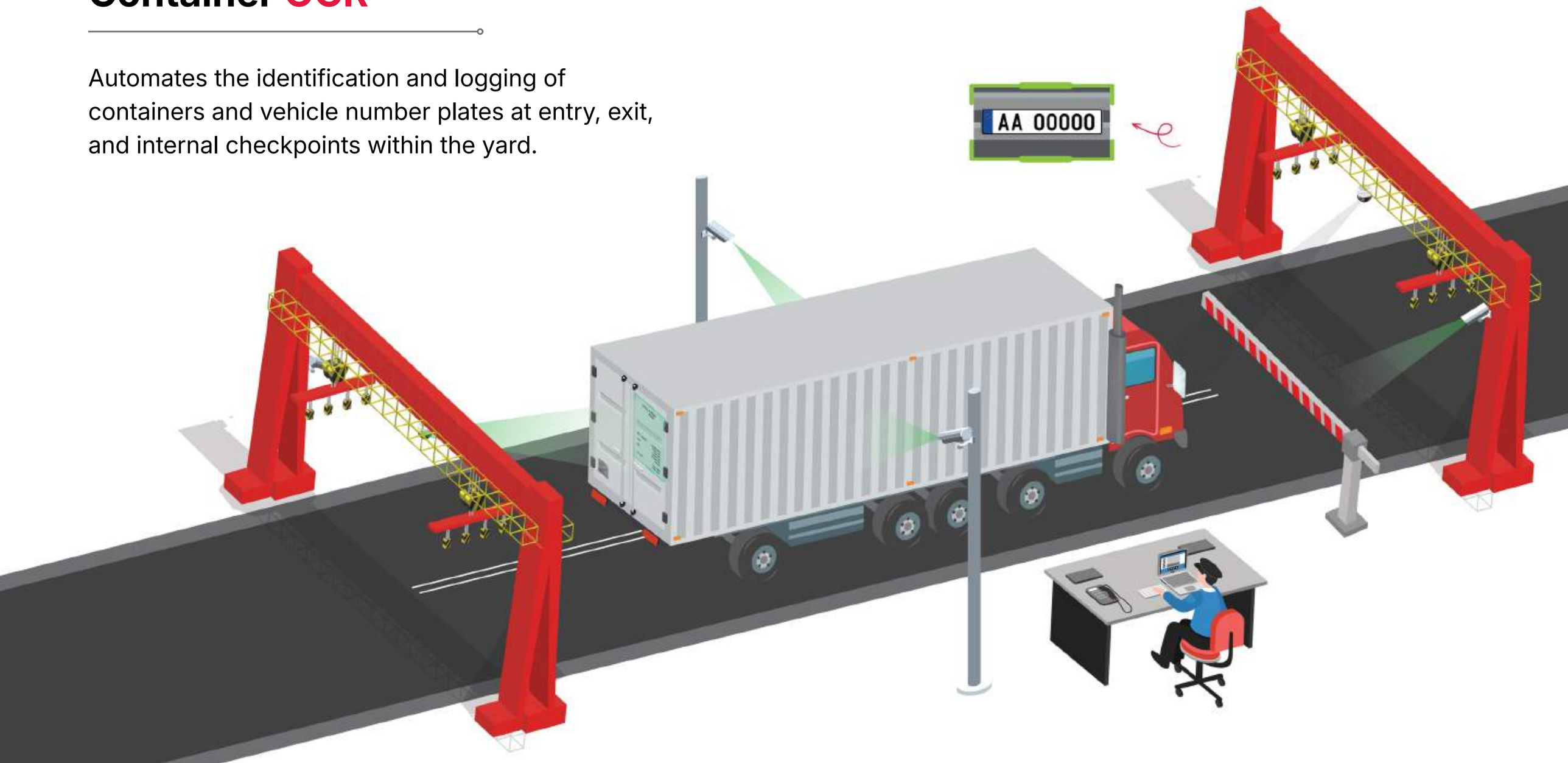
Container Geo Location

Container Damage Detection System

Vehicle Activity Tracking

Container OCR

Automates the identification and logging of containers and vehicle number plates at entry, exit, and internal checkpoints within the yard.



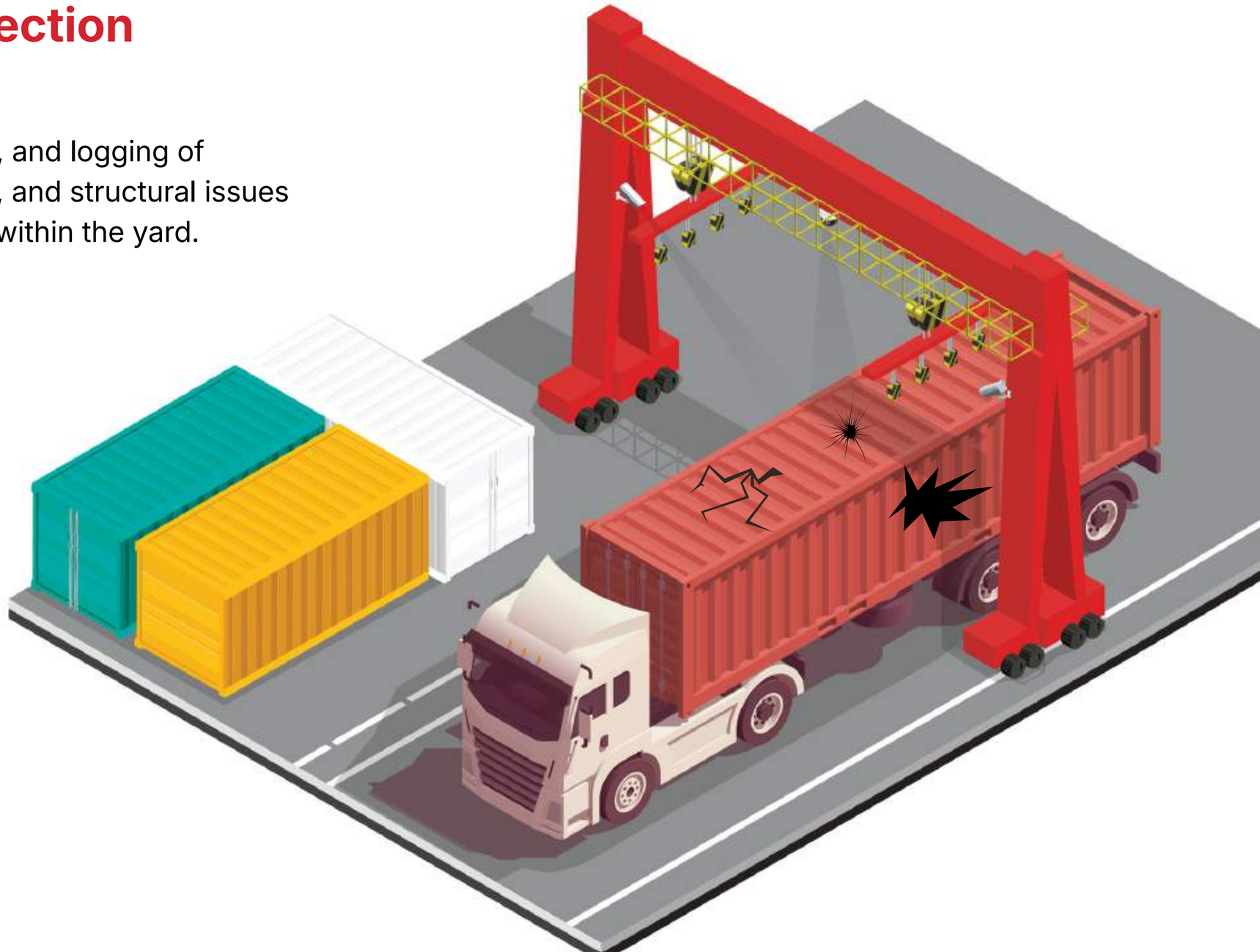
How it Works - Container OCR

Event Log

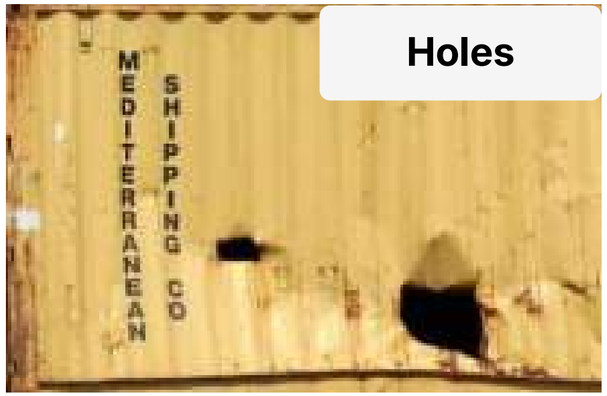
Sr.no	Container ID	ISO Code	Time	CSC Plate	Size	Hazardous
1	OOLU 102558 8	2201	11:30 AM	Present	20ft Dry	No
2	VSLU 145627 8	45G1	12:15 PM	Present	40ft HC	Yes
3	TGHU 759933 0	45G1	12:35 PM	Present	40ft Dry	No

Container Damage Detection

Automates the detection, classification, and logging of container damages such as dents, rust, and structural issues at entry, exit, and internal checkpoints within the yard.



How it Works - Container Damage



Holes

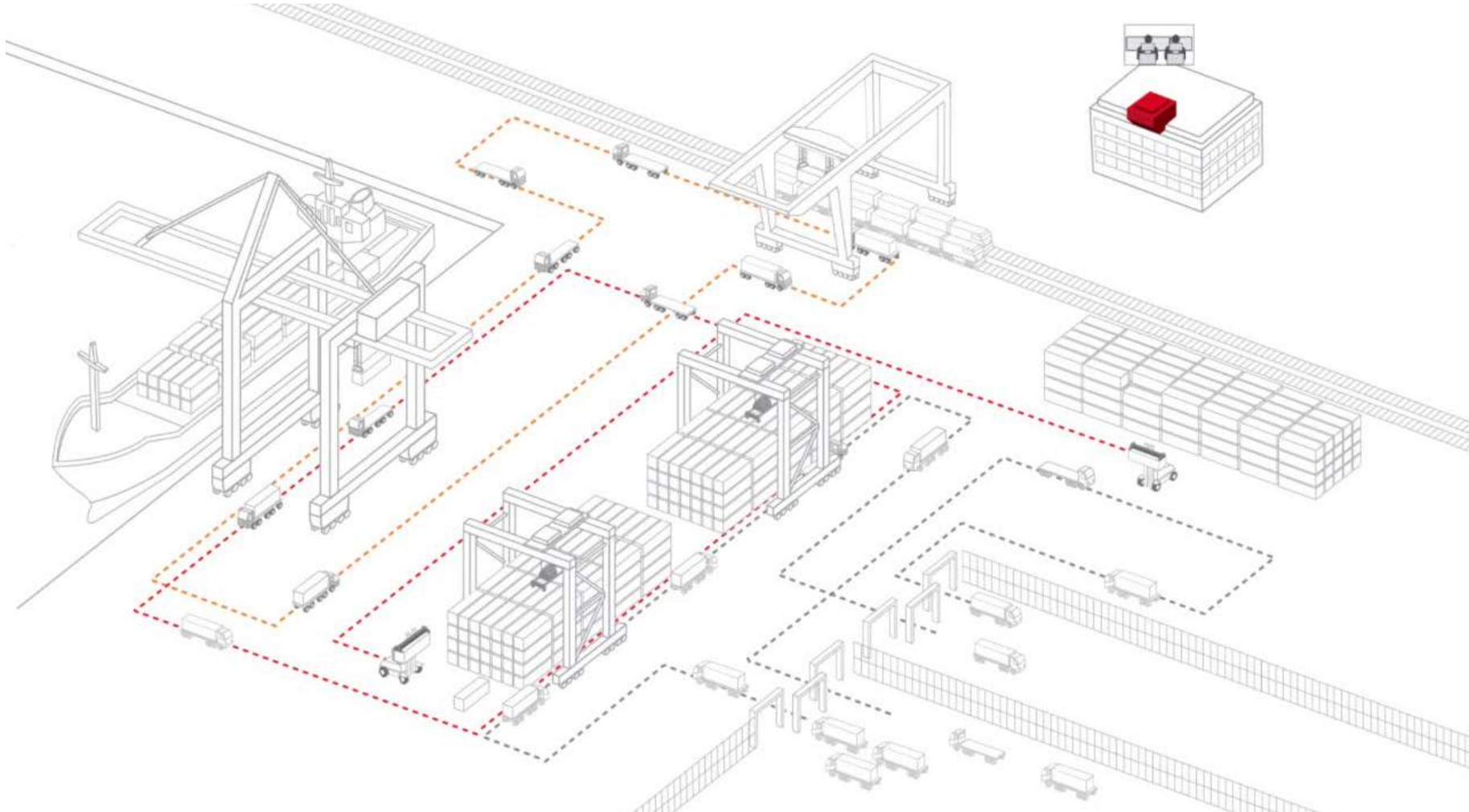
Rust

Deformation

Dent

Container Geo Location

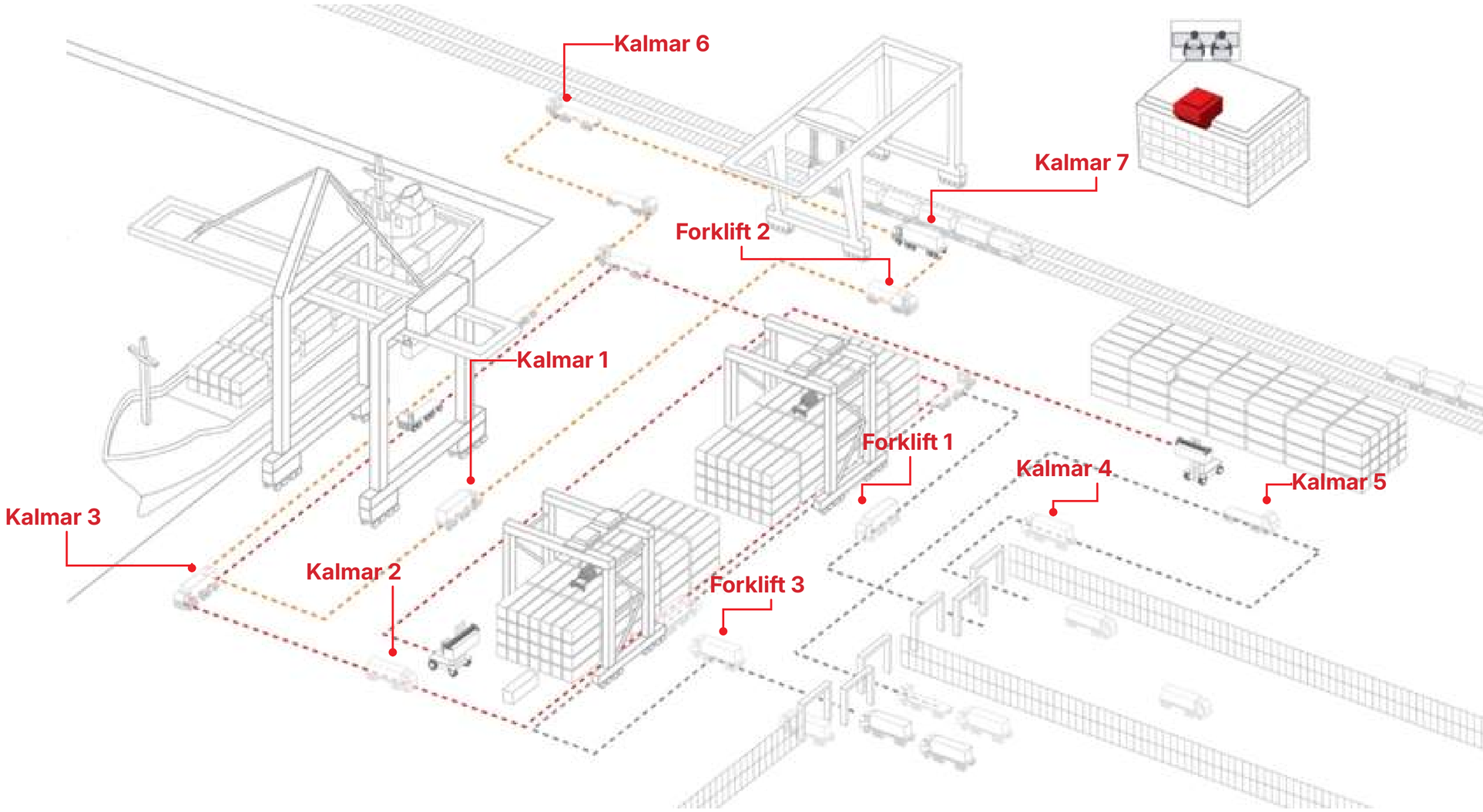
- Tired of asking
- “**Where** is the **container**?”
- Now you always know in **real-time.**



How it Works - Container Geo location

Vehicle & Machine Tracking

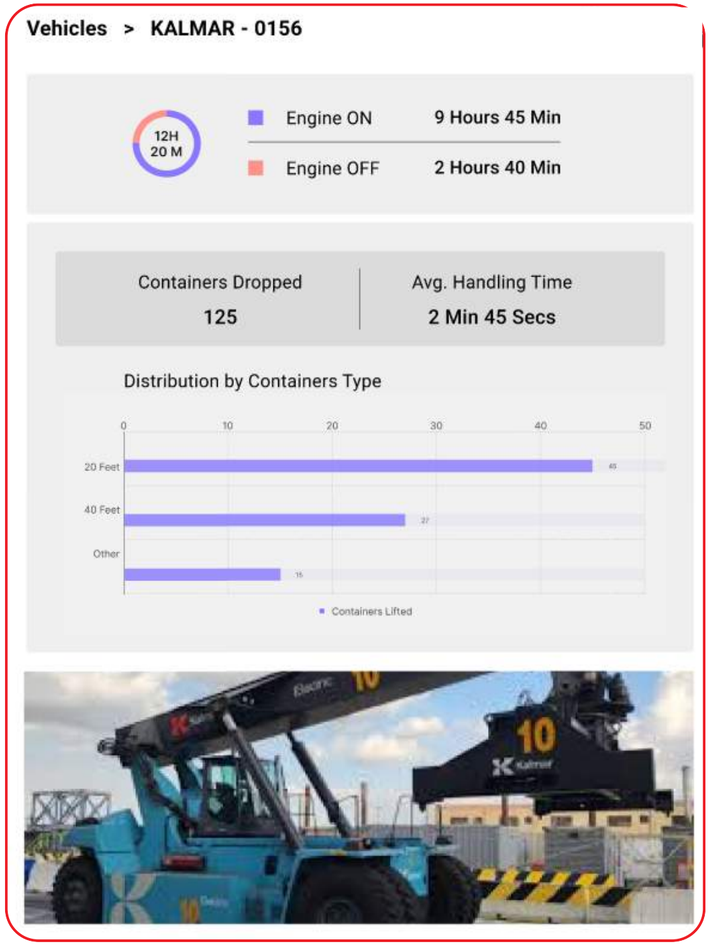
- You can’t improve what you can’t see.
- Now**, every action is recorded** from lift cycles to idle time.



Vehicle & Machine Tracking

Vehicle Tracking Map View

Individual Vehicle Statistics

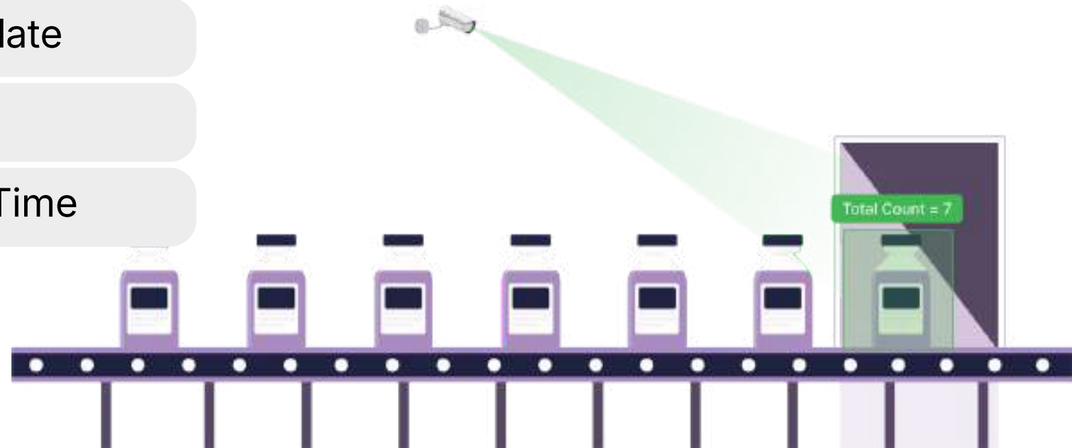


gotilo Spot

It expresses precision at scale. It transforms the act of inspection into an intelligent process of discovery, uncovering details that often go unseen, and setting a new standard of reliability and confidence in every product that leaves the line.

Capabilities that Matter

- Face Recognition Attendance
- Unauthorized Entry
- Unique People Counting
- Intrusion Detection
- Fire & Smoke Detection
- PPE Compliance detection
- Unattended Objects
- Static & Dynamic Area Control
- Forensic Search
- Slippery surface/ Spillage
- Occupancy Detection
- Mobile Usage
- ANPR - Automatic Number Plate
- Vehicle Speed Estimation
- Parking Occupancy & Dwell Time



Face Recognition Based Attendance System

Attendance Log

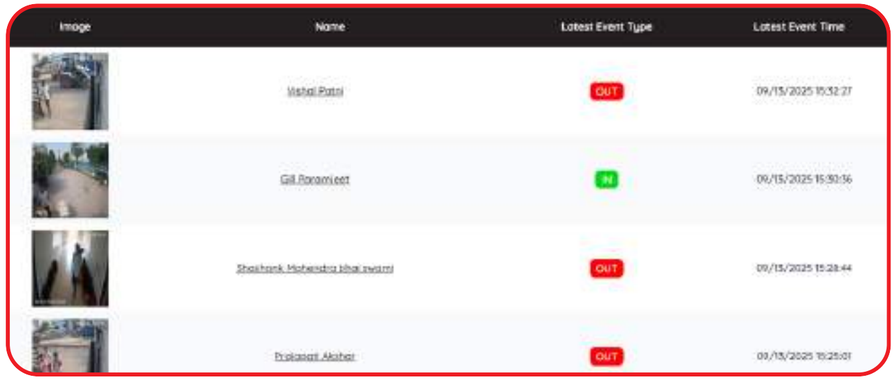
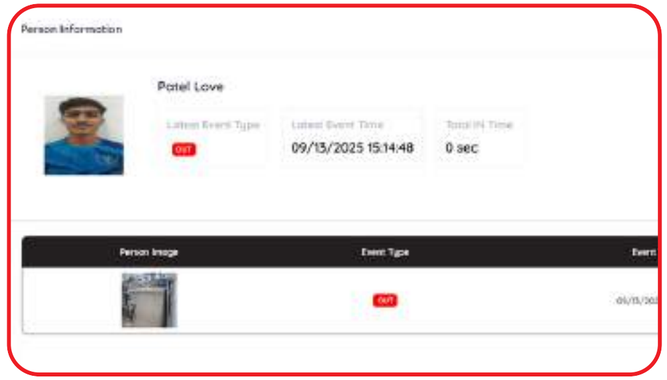
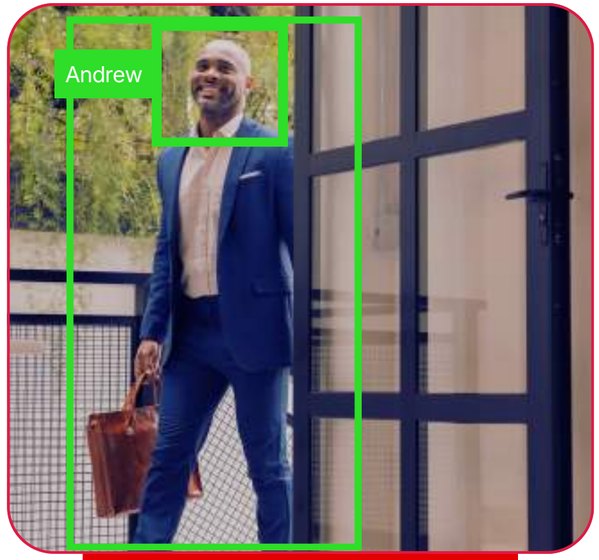


Image	Name	Latest Event Type	Latest Event Time
	Vishal Patni	OUT	09/13/2025 15:32:27
	Gill Paramjeet	IN	09/13/2025 15:30:16
	Shashank Maheshbhai Bhatt swami	OUT	09/13/2025 15:28:44
	Prajapati Akshar	OUT	09/13/2025 15:25:01

Personal Attendance Log





Event Log

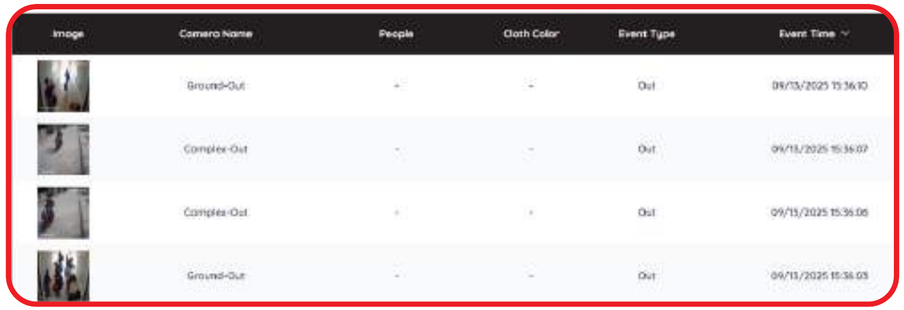
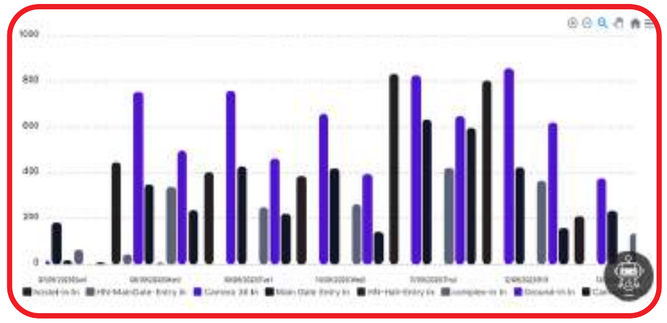


Image	Camera Name	People	Cloth Color	Event Type	Event Time
	Ground-Out	-	-	Out	09/13/2025 15:36:10
	Complex-Out	-	-	Out	09/13/2025 15:36:07
	Complex-Out	-	-	Out	09/13/2025 15:36:06
	Ground-Out	-	-	Out	09/13/2025 15:36:03

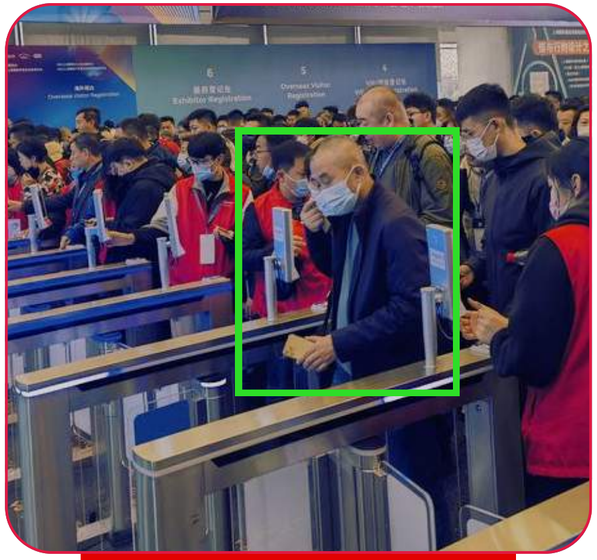
Camera-wise: Log for IN Entries



99.99%
Accuracy

Unique Person Counting

Image	Camera Name	People	Gender	Age	Cloth Color	Event Type	Event Time
	Entry Camera	-	Male	21-30		In	12/20/2024 15:11:04
	Entry Camera	57b29936-e319-4ef8-aae7-65e6d494a1cc	Male	31-40		In	12/20/2024 15:10:56
	Entry Camera	57c40565-8ec6-4215-a52f-4721846994d	Female	21-30		In	12/20/2024 15:10:54

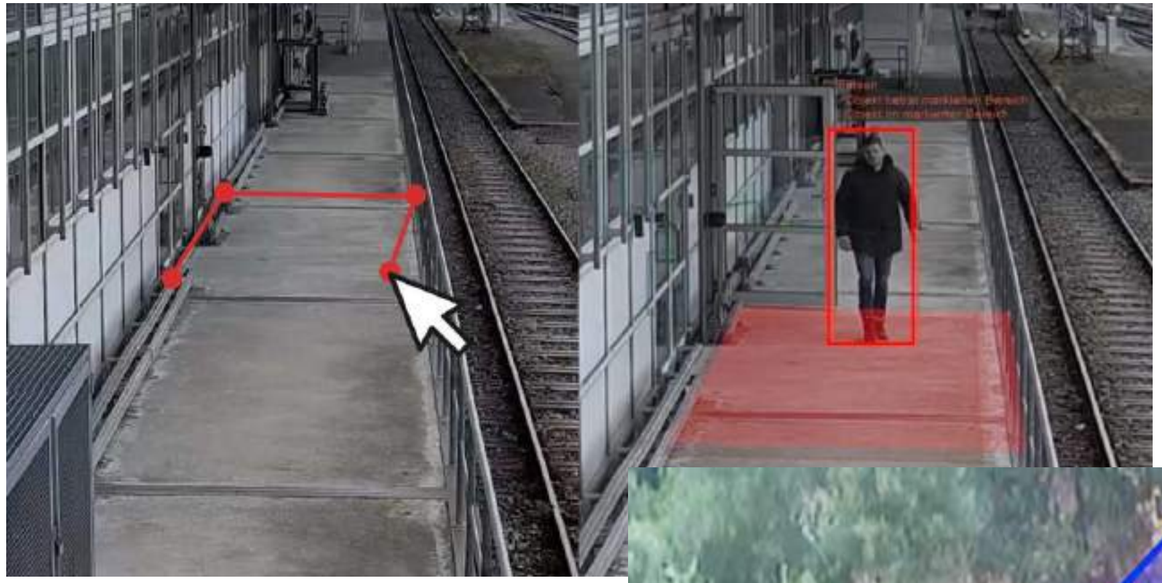


99%

Accuracy

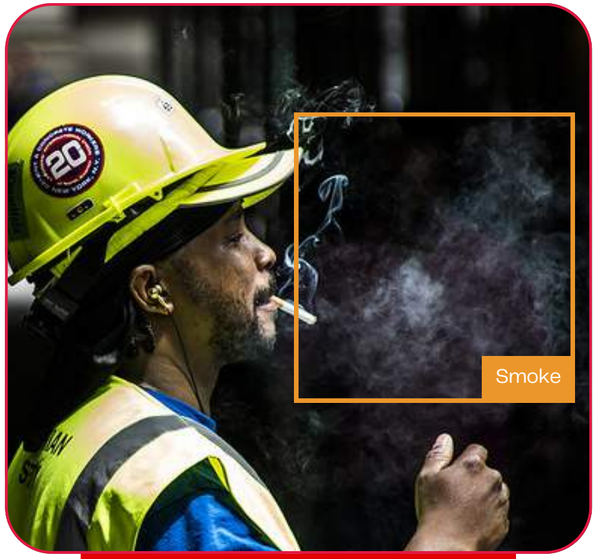
- Age Group
- Gender
- Cloth

Intrusion Detection



- Detect unauthorized access in sensitive zones
- Trigger real-time Alerts if suspicious detection

Fire & Smoke Detection



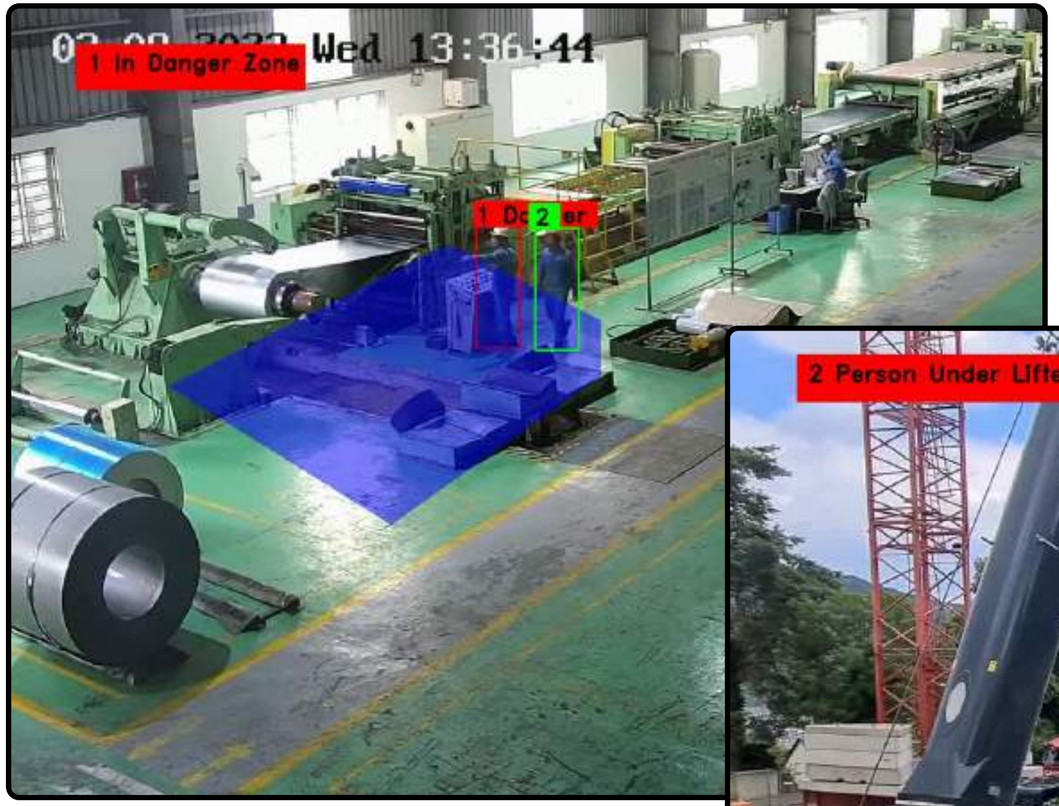
- **24/7 Surveillance** for **Fire, Smoke,** and **Spark**
- Monitor the **uncontrolled flow** of fire and smoke.

PPE Compliance Detection

This is a scalable system that allows users to configure the Compliance types:

- Helmet
- Vest
- Shoes
- Gloves

Static & Dynamic Area Control



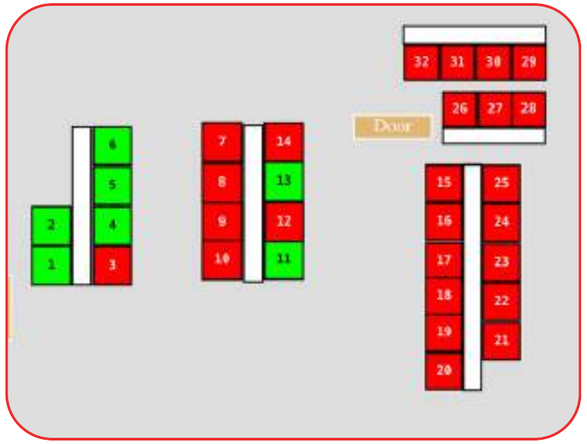
- Monitors suspended or high-risk areas for safety compliance
- Trigger real-time Alerts

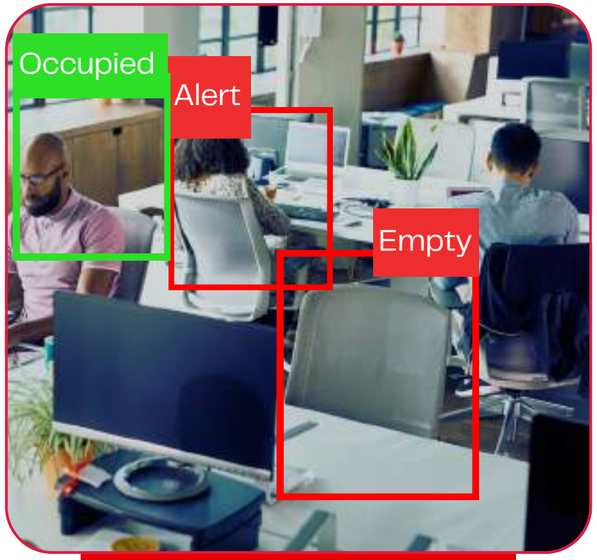
Spillage & Leakage Detection

The dashboard provides:

- Accidental Spillages Alerts
- Debris Detection
- Unattended items
- Gas and Water Leakages for Quick Response Team

Occupancy Detection





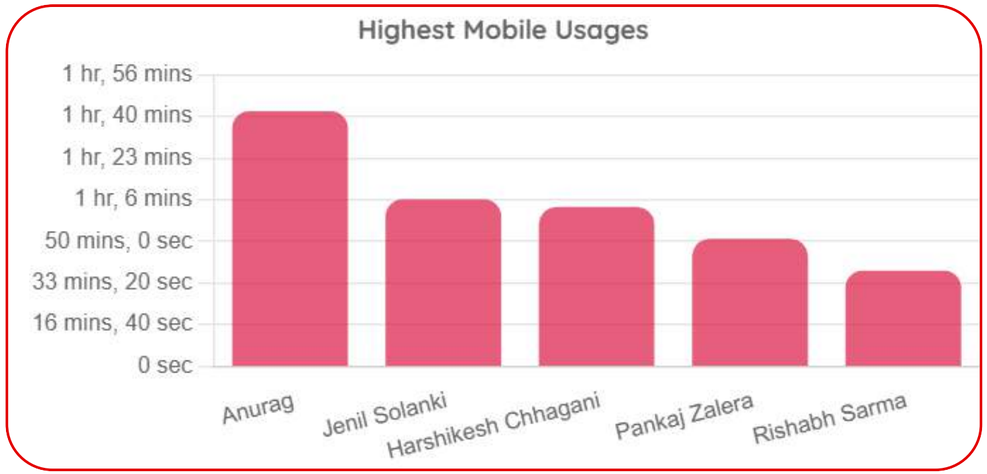
95%

Accuracy with the conclusive dashboard

2-D Digital Twin

Mobile Usage Detection

User Wise Statistics



Event Log

Image	Person Name	Workstation	Time	Duration
	Prakash	19	12/31/2024 09:31:46 - 09:32:26	40 sec
	Rakhi	28	12/31/2024 09:31:29 - 09:33:53	2mins, 24 sec
	Nivedita	21	12/31/2024 09:31:12 - 09:31:22	10 sec

Automatic License Plate Recognition

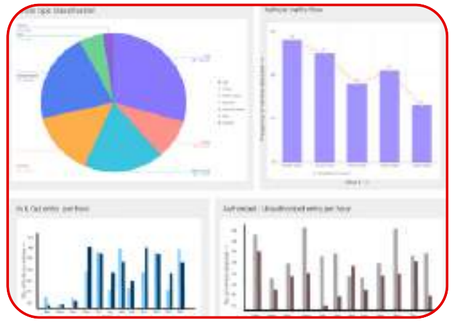
Sample Image

Detected Image

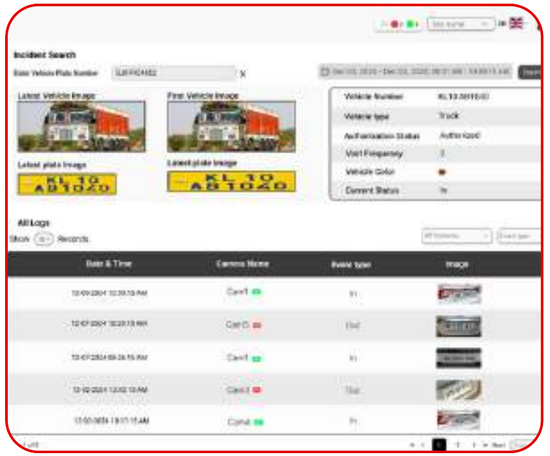
TN43D2233

KL02AU4167

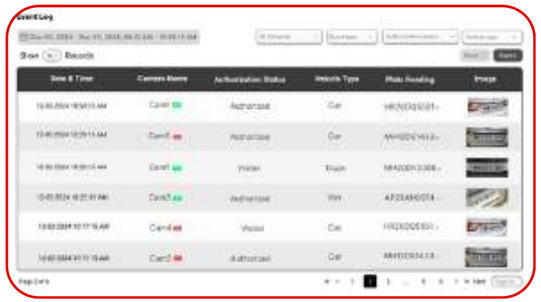
Application's Dashboard



Application Incident search



Application's Event Log



Vehicle Overspeed

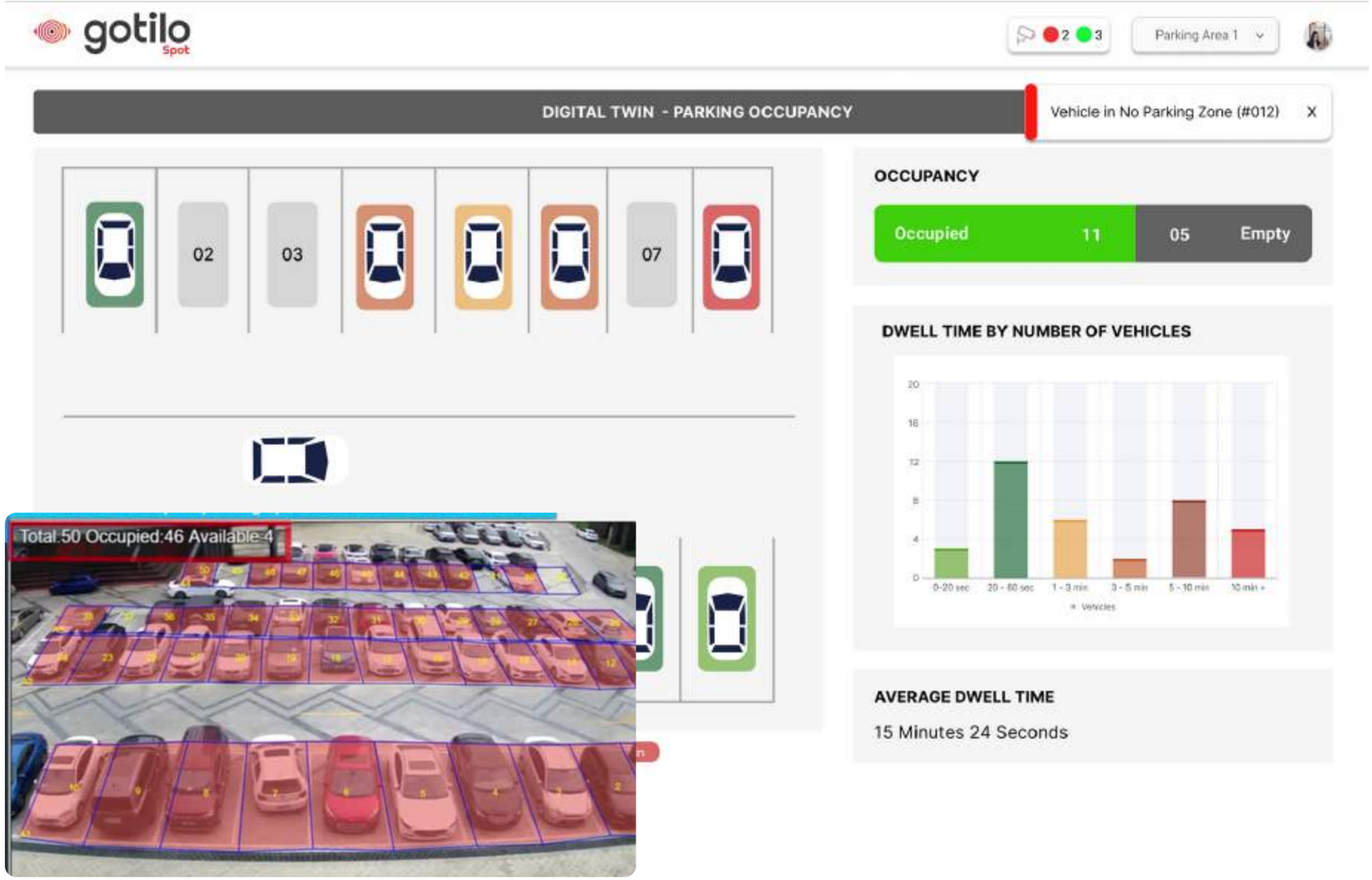
Vehicle Speed: 17 Km/h
Speed Limit: 15 km/hr

RTO Code : 46
State : Maharashtra
City : Panvel, Raigad District
State Code : MH
Vehicle Number : MH46CU1346

96.5+%
Accuracy

60%
Reduction in Speed Related Violation within first 3 months

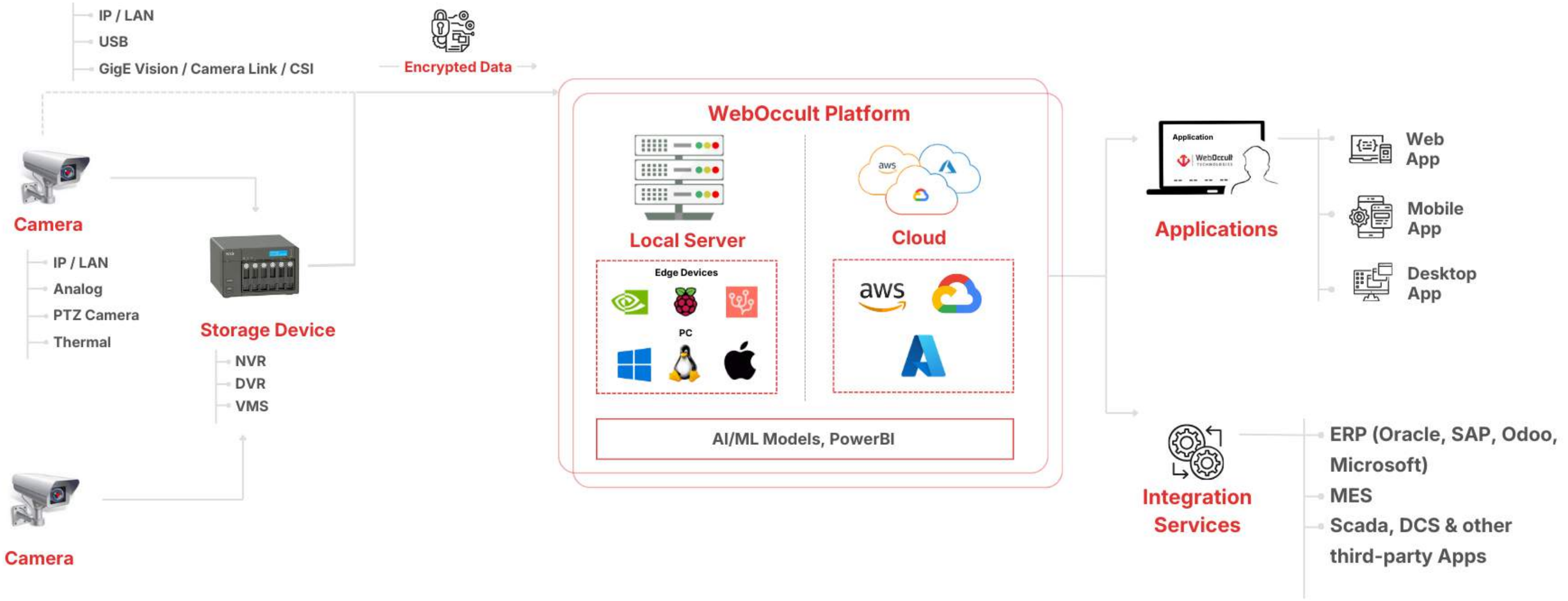
Parking Occupany & Dwell Time



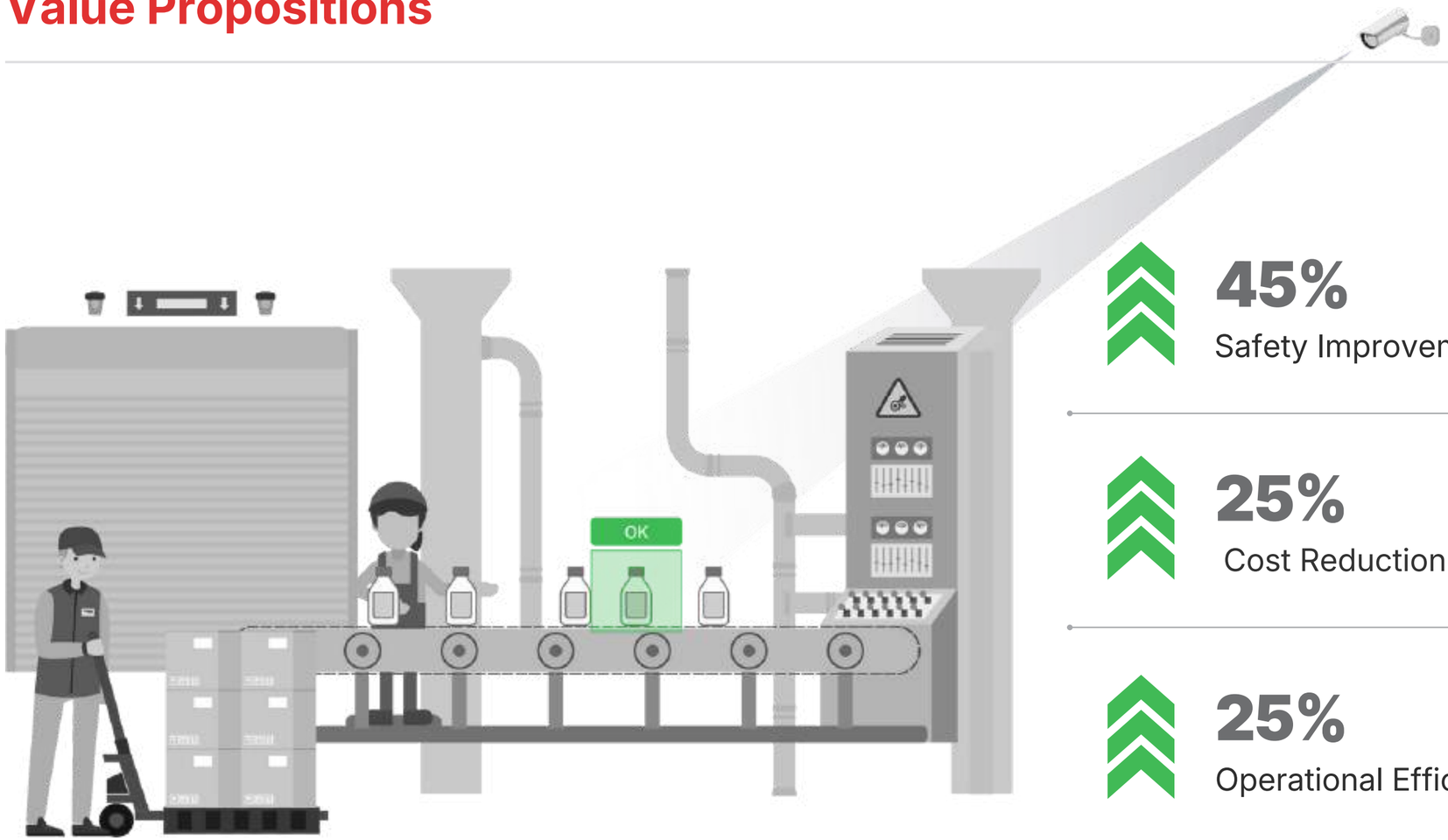
The dashboard provides:

- **Real-time** parking slot **status**
- Space optimization chart
- **Alerts** for **unauthorized** parking or slot misuse.

System Architecture



Value Propositions



45%
Safety Improvements

20%
Energy Consumption

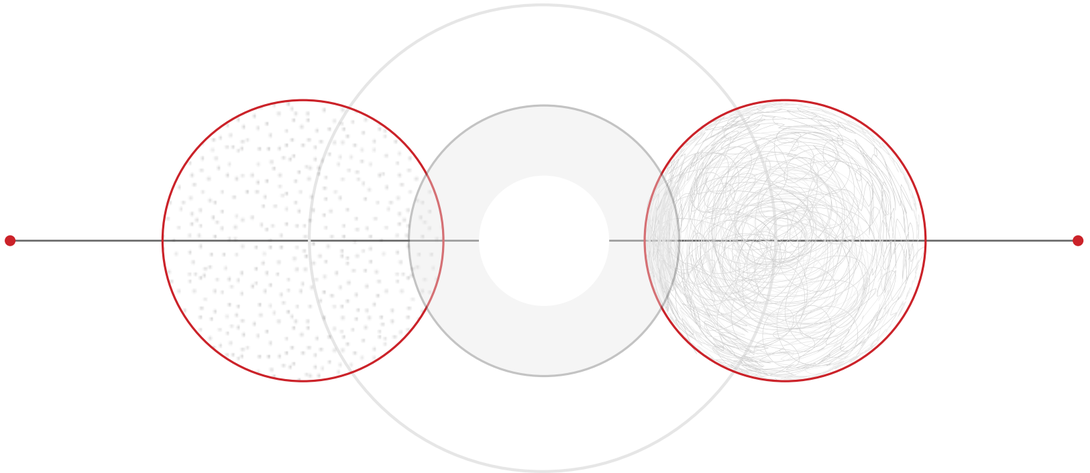
25%
Cost Reduction

20%
Machine Breakdown

25%
Operational Efficiency

90%
Quality Control

WebOccult



SEE BEYOND VISION

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