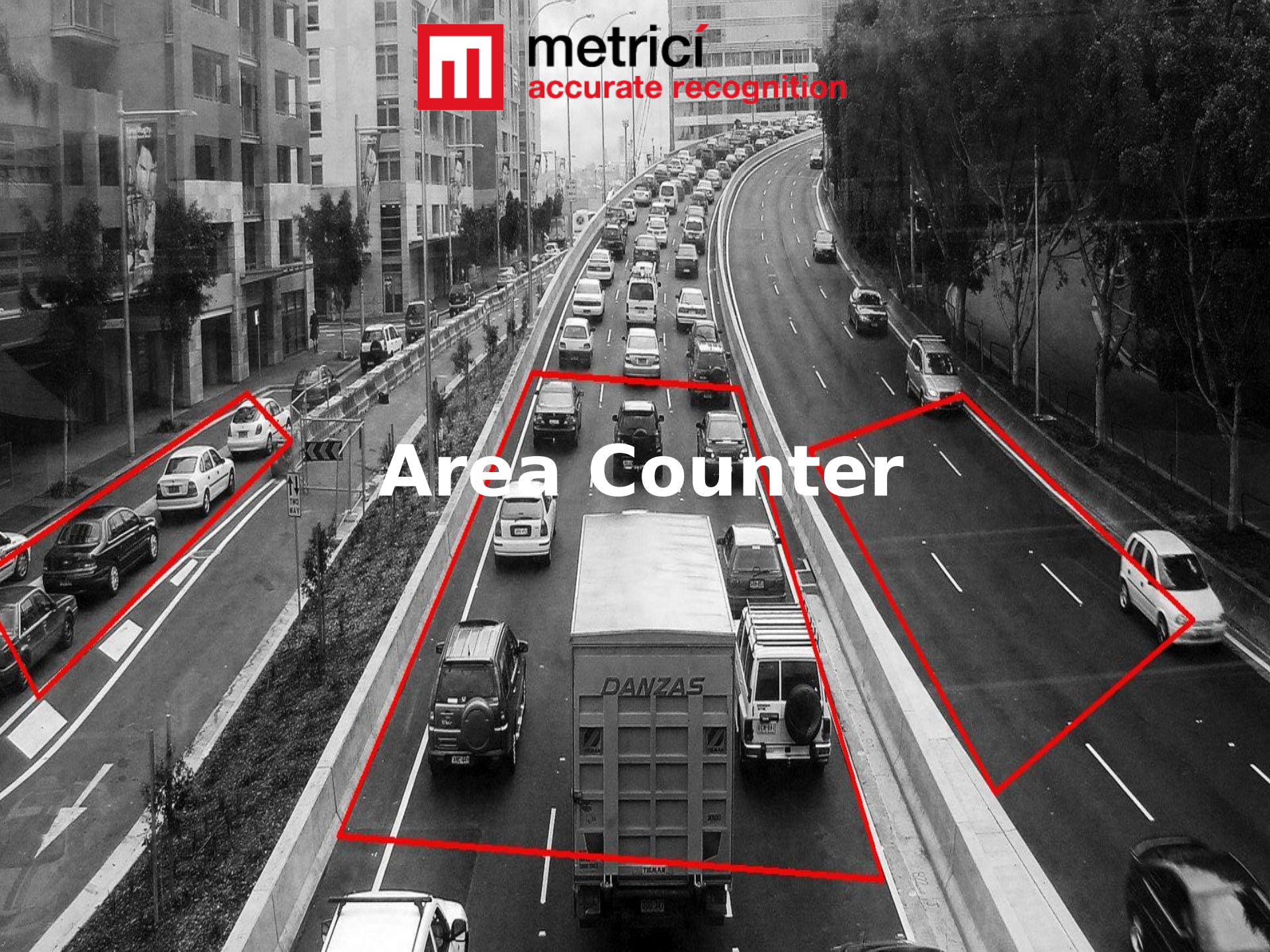




metricci
accurate recognition

Area Counter



Area Counter detection engine and Interface

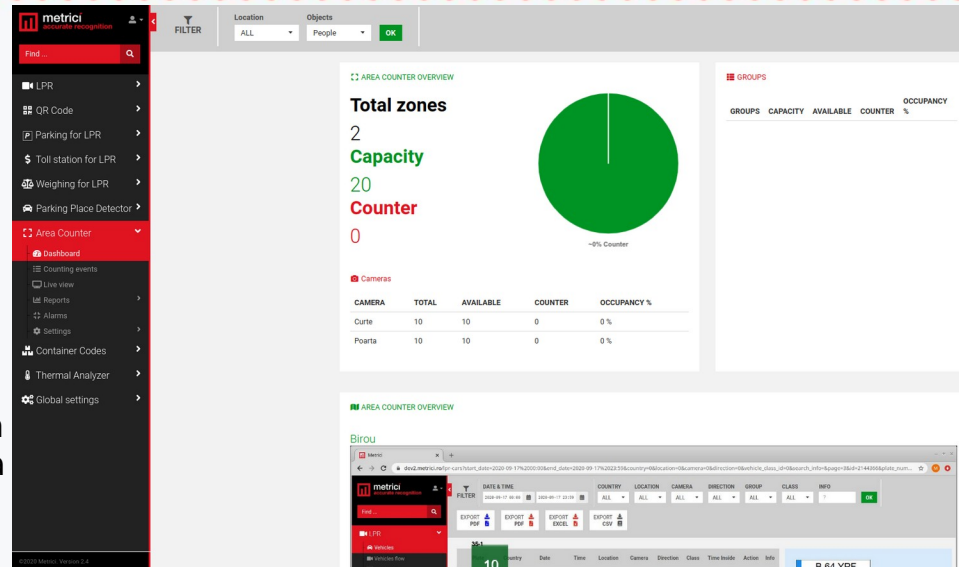
Area Counter – Metrici AI based solution to **count and keep track** of any given object in a defined area on a video stream

Choose what type of objects (**people, vehicles, planes, boxes, boats, pieces** etc.) you want detect

Metrici will **count and record any event change** in that perimeter for that choice

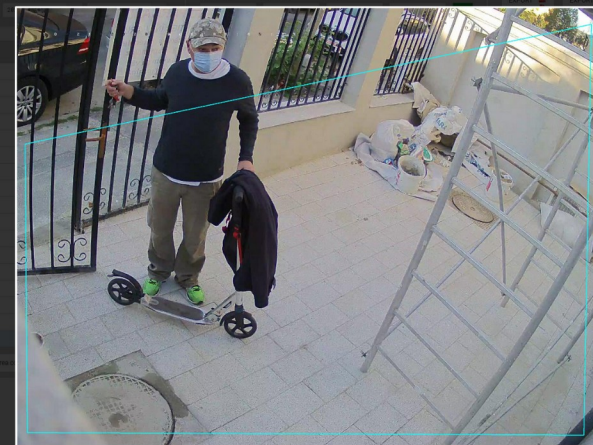
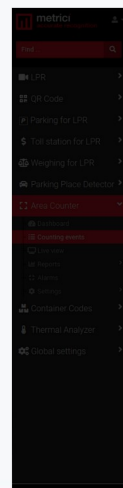
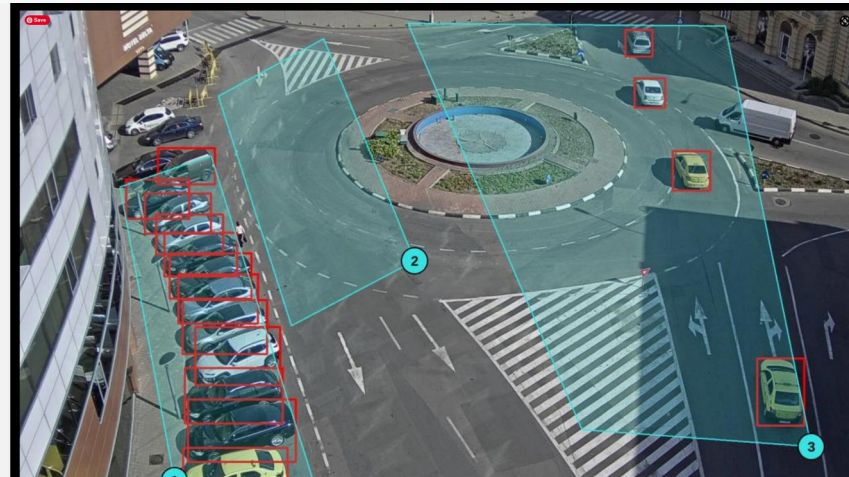
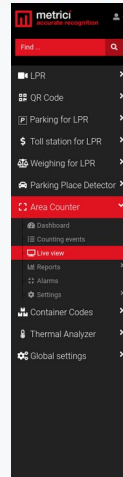
Use it as a **security feature** with **alarms** for when an object **appears** or **disappears** in that monitored area

Management tool for parking, traffic, sidewalks, queues management in retail or institutions



Where to use

- **PUBLIC TRANSPORT** airports, railway and bus stations, ports, metro stations
- **PUBLIC & OFFICE BUILDINGS**, museums, stadiums, healthcare
- **GOVERNMENT BUILDINGS** public offices, courts, prisons
- **EVENTS**, fairs, concerts, sports events, festivals, demonstrations
- **RETAIL & COMMERCE** shopping mall, supermarkets, gas stations, markets
- **CITY MANAGEMENT**- sidewalk, intersections, crossing walks, streets
- **INDUSTRY** - production line, transport, shipping



Area Counter **City Surveillance & Smart City Management**

Scenarios

- **Unauthorized Crossing** of Railway/Street Lines
- **Surveillance** of Critical Infrastructure
- **Suspicious Object** / Unauthorized Baggage
- Suspicious **Behaviour** Detection in Public Places
- **Unauthorized Crowding / Overcrowding**
- **Crowded place**
- **Long waiting at the traffic light/ on the sidewalk**

Features

- **Trespass** - Detection of Person or Vehicle entering a virtual space
- **Heat Map & Motion Map** - areas with the greatest frequency and activity
- **Tripwire** - Detection of Person or Vehicle crossing a virtual line
- **Counting** - Counting of people, or object after crossing a virtual line or in a perimeter
- **Left Object Detection** - Detecting unauthorized object / baggage left in a zone
- **Perimeter Protection / Intrusion Detection**
 - Critical Infrastructure boundaries
 - Alert monitoring at the entrances
 - Alert monitoring at the High Security Areas

Area Counter **Traffic & Parking**

Scenarios

- Effective **traffic control** in intersections or on the road
- Detection of illegal **traffic behaviour**
- **Toll evasion** detection at toll booths
- Detection of **unauthorized parking**
- Traffic or parking management
- **Available parking spaces** detection
- **Monitoring** restricted spaces
- **Crowded place**
- **Long waiting at the traffic light/ on the sidewalk**

– Features

- **Tripwire** - Detection of Vehicle (or Person) crossing a virtual line
- **Wrong Way Detection**- Detecting Vehicle moving in a wrong direction
- **Trespass** - Detection of Vehicle (or Person) entering a virtual space
- **Speeding**- Detection of over speeding for a vehicle with Metrici Observer Radar
- **Vehicle Counting** / Queue management - Counting Vehicles crossing / in a perimeter
- **Waiting Time** management for queues
- **Illegal Parking** - Detecting vehicles parking in no parking zone
- **Congestion Detection** - Detecting vehicle congestion in a virtual area
- **Vehicle counting**: Vehicles coming IN and going OUT an area
- **Parking Management**: Provides the free slots available for parking in parking place of buildings, malls etc.

Area Counter **Building Surveillance** **Business Intelligence**

Scenarios

- **Access Control** / crowd identification
- **Abnormal Behaviour** & Unidentified Objects
- Warning for **queuing** and **waiting**
- **Monitoring** important items against vandals
- Statistics for **business optimization**
- **Queue** monitoring
- Heat maps

Features

- **Trespass** - Detection of Persons or Vehicle entering a virtual space
- **Crowd Detection** - Detecting people gathering in a virtual area
- **Tripwire** - Detection of Person or Vehicle crossing a virtual line
- Detection of **persistence beyond specified time** in an area
- **Left Object Detection** - Detecting unauthorized object / baggage left in public place
- **Object Theft Detection** - Detection of object removal
- **Queue** Management - people coming into queue, count of people coming out of queue
- **Waiting time** - Waiting time in the queue
- **Person hanging** in restricted area

Better **understand and administrate** a business, opportunities and implement changes

Take decisions regarding merchandising, advertising, promotions

Number of people entering, waiting, transiting - **hot spots**

Customer Service increase

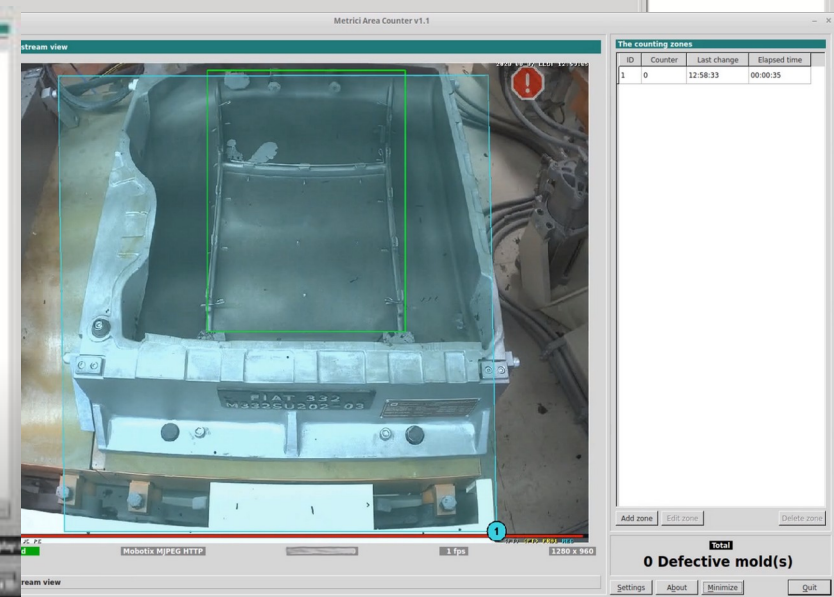
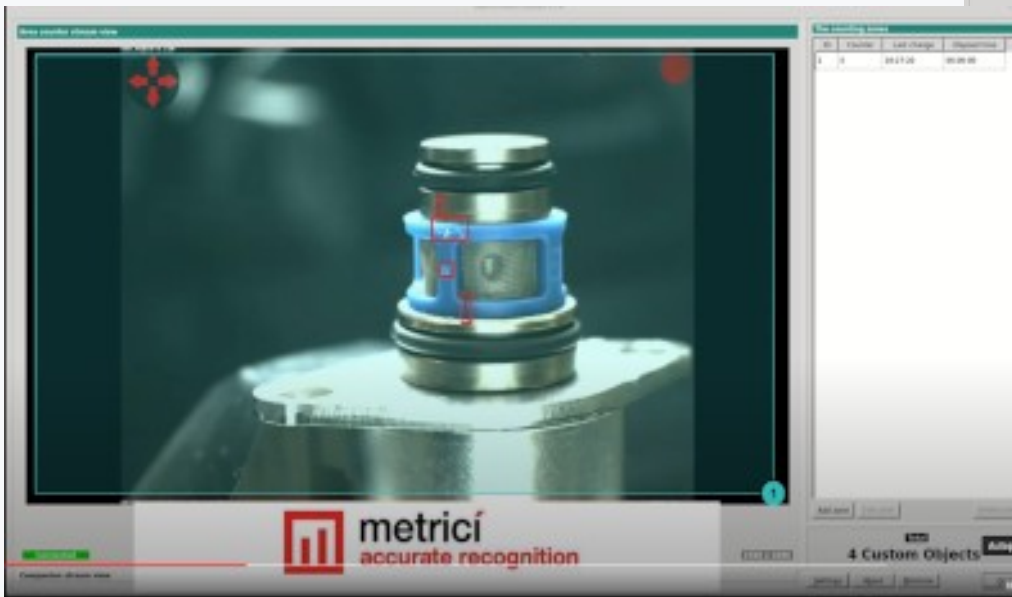
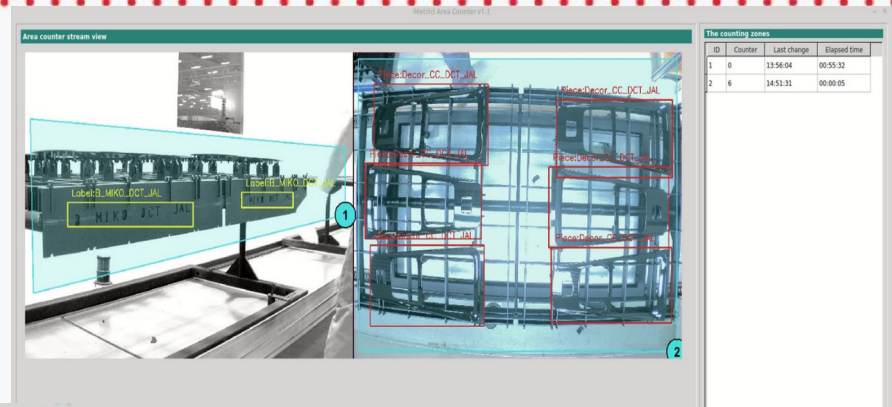
Reduce costs

Calculate effectiveness of promotions

Area Counter Industrial Applications - Scenarios-

Special AI training for custom projects using Area Counter

- Number of objects on the production line
- Defective objects in the area
- Mismatch objects in an area
- Productivity rate
- Calculate effectiveness
- Person in a restricted area
- Alert when events occur
- Number bigger than



Area Counter **Industrial Applications** -what you get-

Reduce Operational Costs - Less manpower, more AI

Automate routine processes - Delegate the repetitive tasks

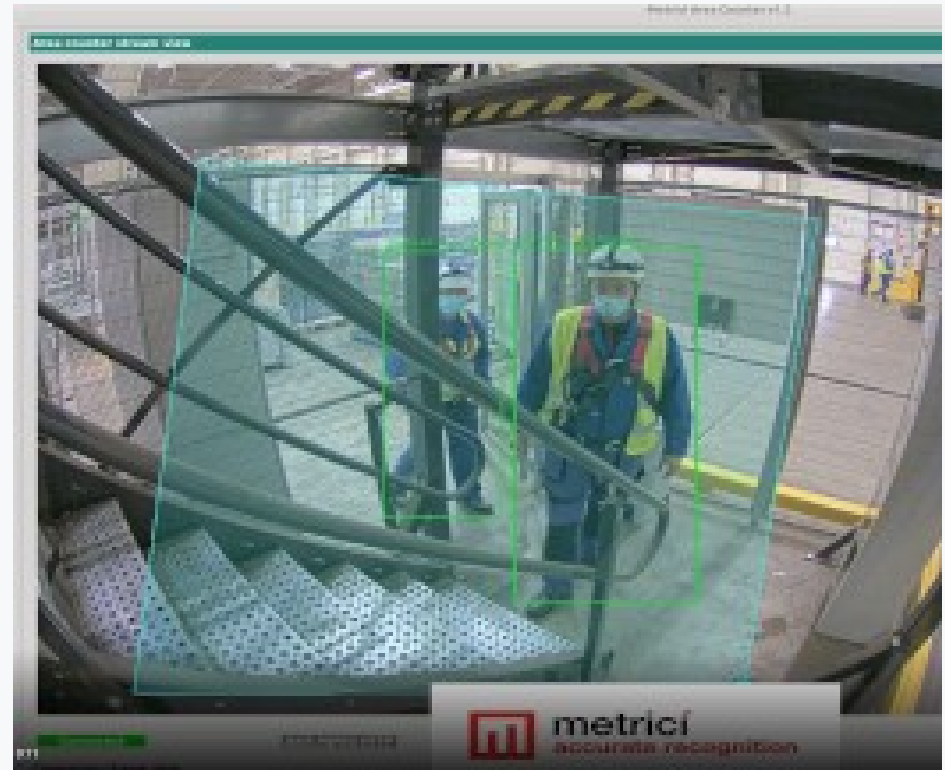
Reduce cost from repetitive works

Increase productivity

Ensure quality and productivity

Quality check - Inspect work and tasks using Metrici Artificial Intelligence

Reduce losses



Management Center- features

Alarm Popup, SMS, E-mail - for all detection events and changes in the areas

Hardware alarm - as lights or audio signals when certain events occur in the area

It can display alarms on a LED Panel

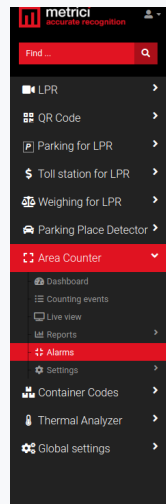
Search filter and Reports based on object type, location, camera, time

Analysis: Heat map and Motion map

Reports download: in .xls or .pdf

Reports schedule for e-mail

Live view

A screenshot of the Metrici web interface showing an 'Alarms' table. The table has columns for 'Alarm name', 'Send Email', 'Send SMS', 'HTTP Request', 'Active', and 'ACTIONS'. The 'ACTIONS' column contains 'Conditions', 'Edit', and 'Delete' buttons for each row. The table lists various alarm types such as 'Alarm for 35-1', 'cdj santier', 'First Alarm S', 'Location > 90%', 'More than 6 vehicles', 'Object forgotten', 'People > 0', 'test', 'Test X', and 'Yard intrusion'. Each row has green checkmarks or red crosses in the 'Send Email', 'Send SMS', and 'Active' columns.

Alarm name	Send Email	Send SMS	HTTP Request	Active	ACTIONS
Alarm for 35-1	✓	✗	✗	✓	Conditions Edit Delete
cdj santier	✓	✗	✗	✓	Conditions Edit Delete
First Alarm S	✓	✗	✗	✗	Conditions Edit Delete
Location > 90%	✓	✗	✗	✓	Conditions Edit Delete
More than 6 vehicles	✓	✗	✗	✗	Conditions Edit Delete
Object forgotten	✗	✗	✗	✗	Conditions Edit Delete
People > 0	✗	✗	✓	✓	Conditions Edit Delete
test	✗	✗	✗	✗	Conditions Edit Delete
Test X	✗	✓	✗	✗	Conditions Edit Delete
Yard intrusion	✓	✗	✗	✗	Conditions Edit Delete