

Autonomous Multi-Sensory AI for Airports

(utilizing video, sound & smell)

From

iOmniscient – The Ethical AI Company

We protect Privacy

We don’t sell products to people who might misuse them

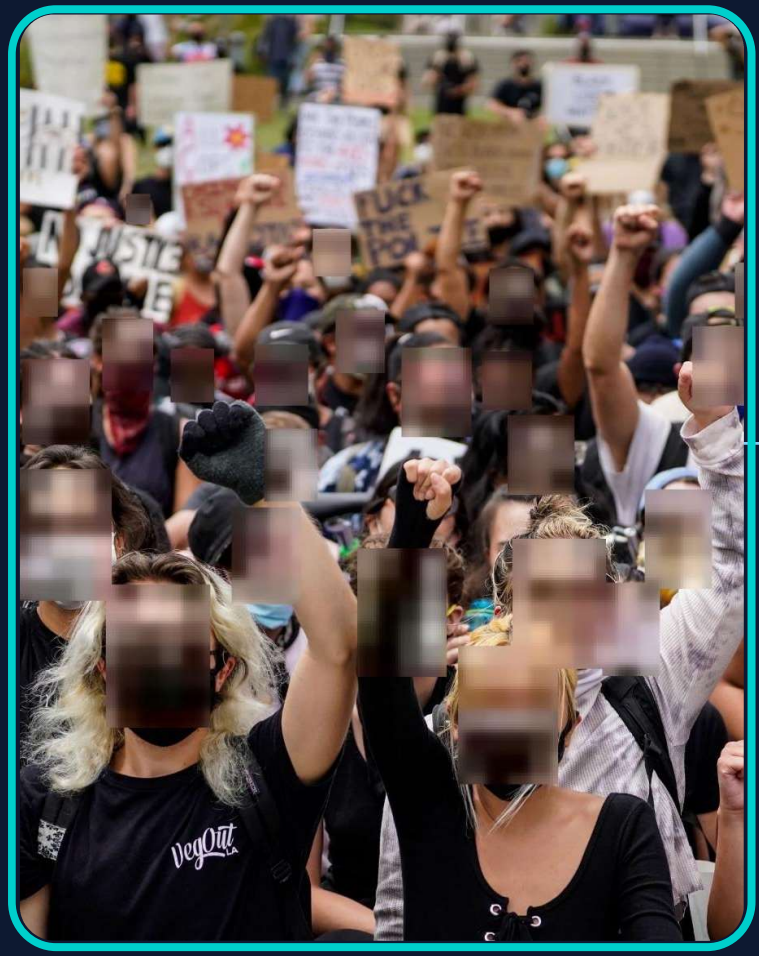
We Always Do the Right Thing

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Ethical AI

ALL SYSTEMS CAN BE PRIVACY PROTECTED

- Full REVERSIBLE Privacy Protection
- For New and Legacy Systems
- FullY GDPR Compliant
- No operator can identify a person but the system knows knows what has happened
- and who was involved



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65 AIRPORTS AROUND THE WORLD

USA x 27
Australia x 3
Indonesia x 20 including Bali & Makassar through Angkasapura Support
Turkey x 1
Malaysia x 2
Mexico x 1
Middle East x 1
Military Airport Facilities x 10

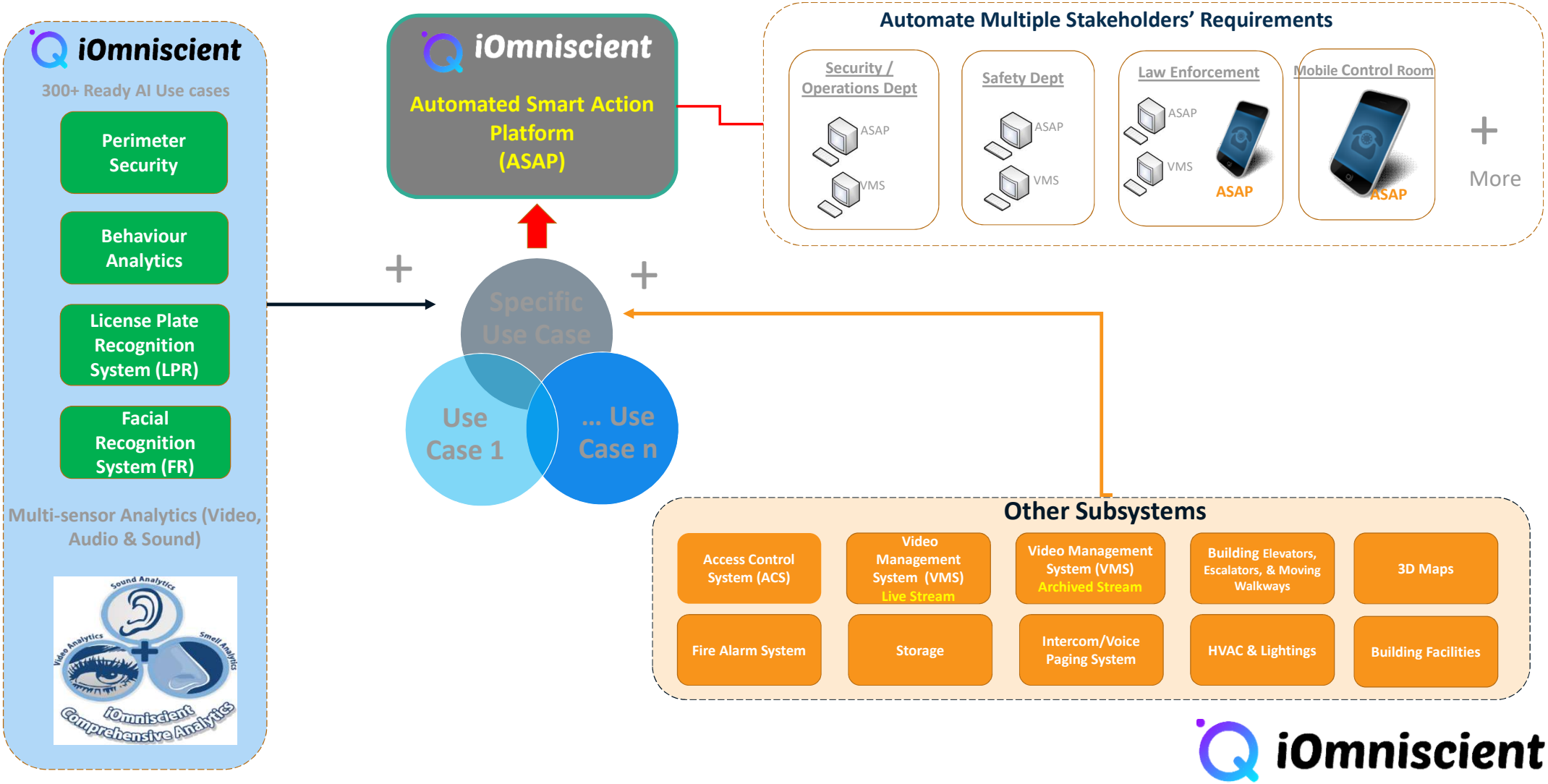


iOmniscient does not sell products

It Guarantees Outcomes

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Smart Airport Architecture for Autonomous Integrated Operations



Some New Concepts to Consider

Based on 70+ International Patents

Doing things that no one else can do



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The Video Utility



Multiple Stakeholders

Each gets ONLY the data that they are authorized to get.

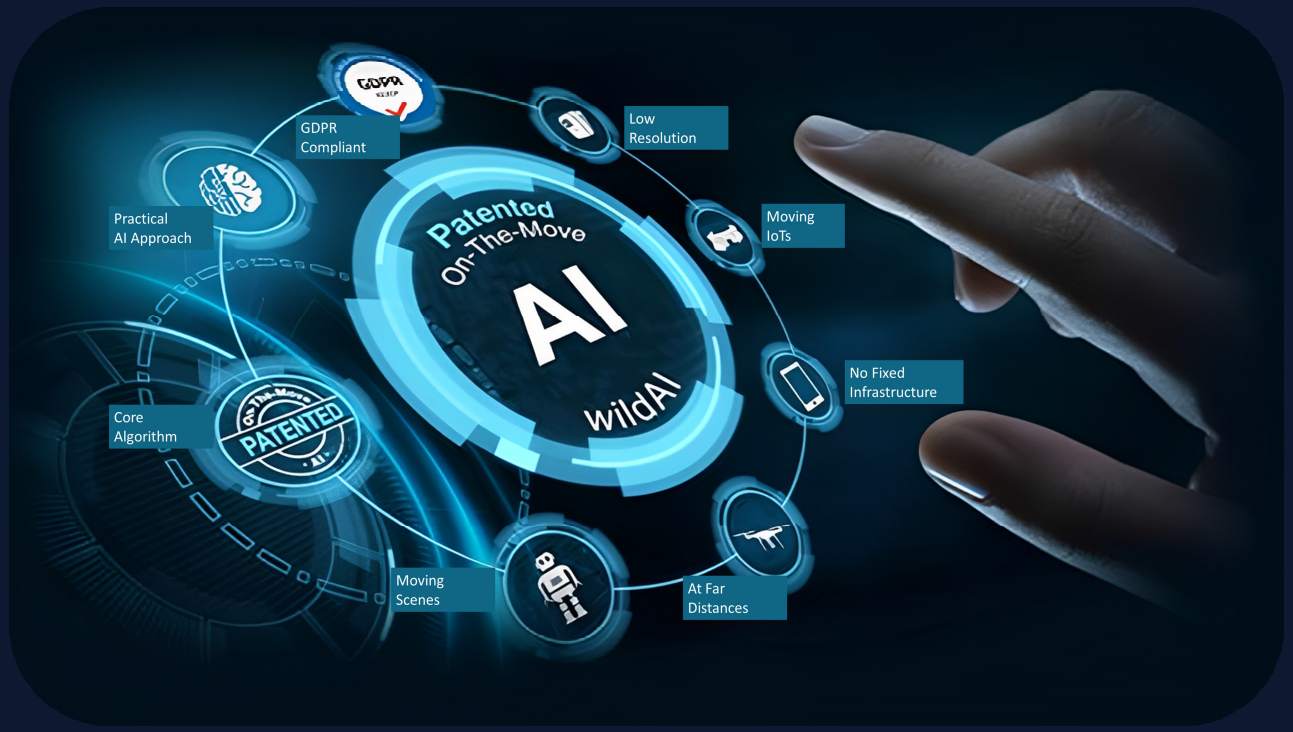
Massive reduction in network duplication.



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Autonomous Responses

Automatically finding the nearest appropriate responder and telling them where to go and what to do. Reduces response time by 80%





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Works in Crowded Scenes

- Theft when object is significantly obscured
- Smoke & Fire Detection IN A CROWD
- Abandoned Object even when significantly obscured
- Counting IN A CROWD
- Face Recognition IN A CROWD
- Fever Detection IN A CROWD



INTELLECTUAL PATENTED PROPERTY

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Save Infrastructure Costs By Design

90% less storage





No GPU

90% less network bandwidth





15x less manpower

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GMR Priorities that iOmniscient can address

TMC11 Trolley Management
SCC3 General Surveillance
OPC 20/29 Command and Control
WSC2 Smart Toilet
ENC4 Smart Poles
TMC3 Traffic Management
SCC2/4/5 License Plate Management



TMC 11 Trolley Management

Detect abandoned trolleys

Determine if trolley bank is empty or close to empty



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SCC3 General Surveillance

Detect abandoned Object IN A CROWD, detect who abandoned it and track the person.

Detect Fights

Detect Water./ liquids on the floor

Detect slips and falls

Detect falls and running after hearing a gunshot

Detect a gas leak

Detect Smoke/ Fire in area with high ceilings



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OPC 20/29 Command and Control

Reduce Manpower requirements in Control Room by a factor of 10 with Autonomous Response where the sensor finds the nearest appropriate responder and tells them where to go and what to do

Improve effectiveness of control room staff

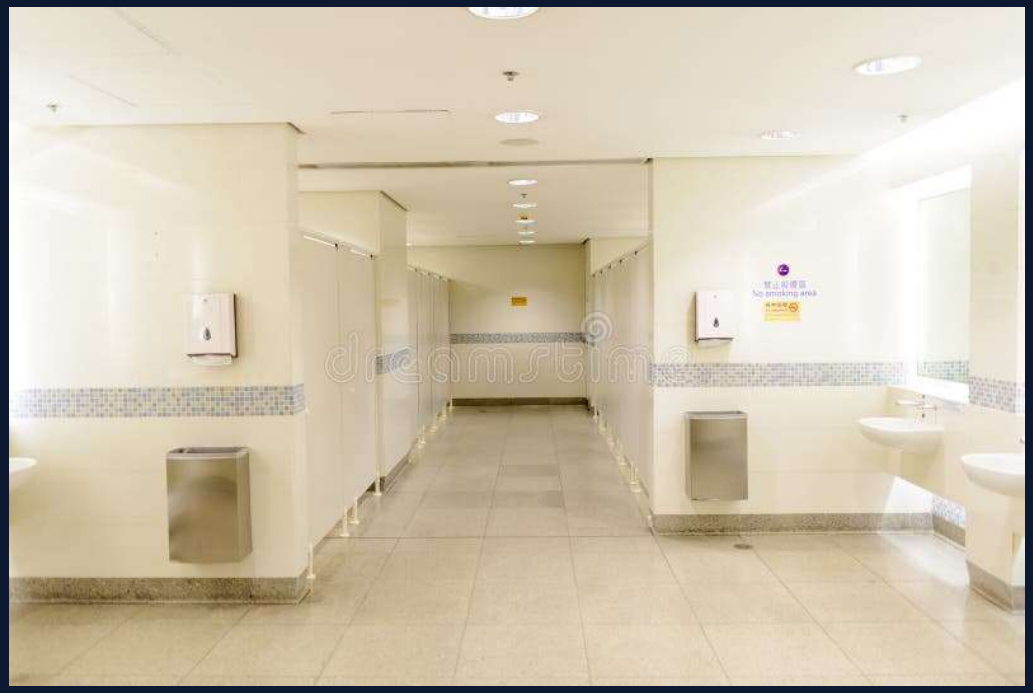


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WSC2 Smart Toilets

Ensure Toilets are cleaned if they begin to smell

Redirect the public to other facilities if the toilets are overcrowded.



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ENC4 Smart Poles

Use existing poles infrastructure for Surveillance and Traffic Management (as iOmniscient has done in Malaysia)



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TMC3 Traffic Management

Comprehensive Capability for:

- Traffic Incident Management
- Traffic law violation
- Traffic Optimization



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SCC2 License Plate Recognition

License Plate Recognition for plates in 120 countries

Recognition based on incidents eg recognition if a vehicle is parked illegally.

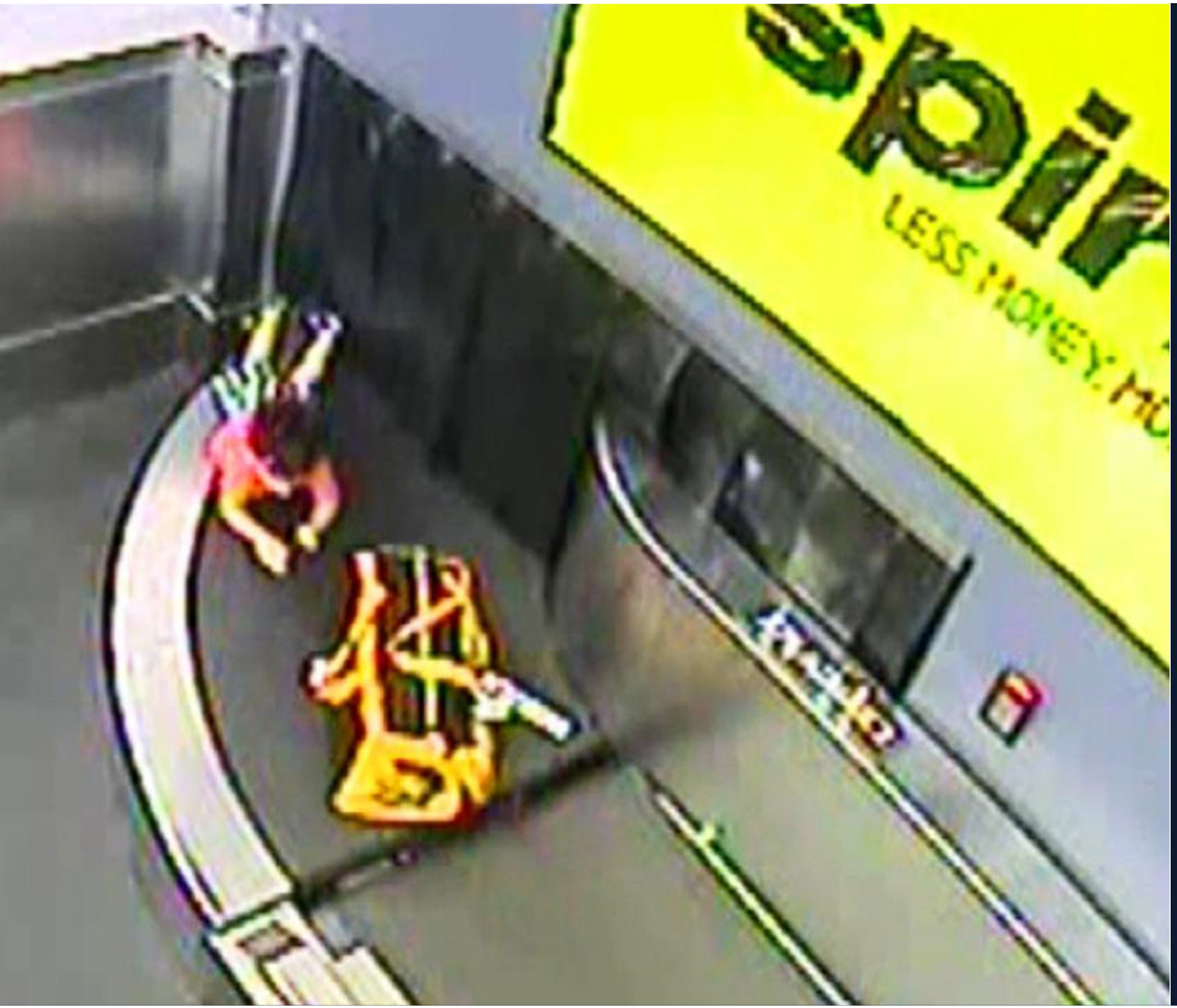
Recognition at 200 kph



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Other Useful Applications for Airports

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SAFETY:

Detecting a child on the conveyor belt

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Asset Management

Preventive Maintenance of Assets such as Escalators

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Safety:

Finding Lost Children



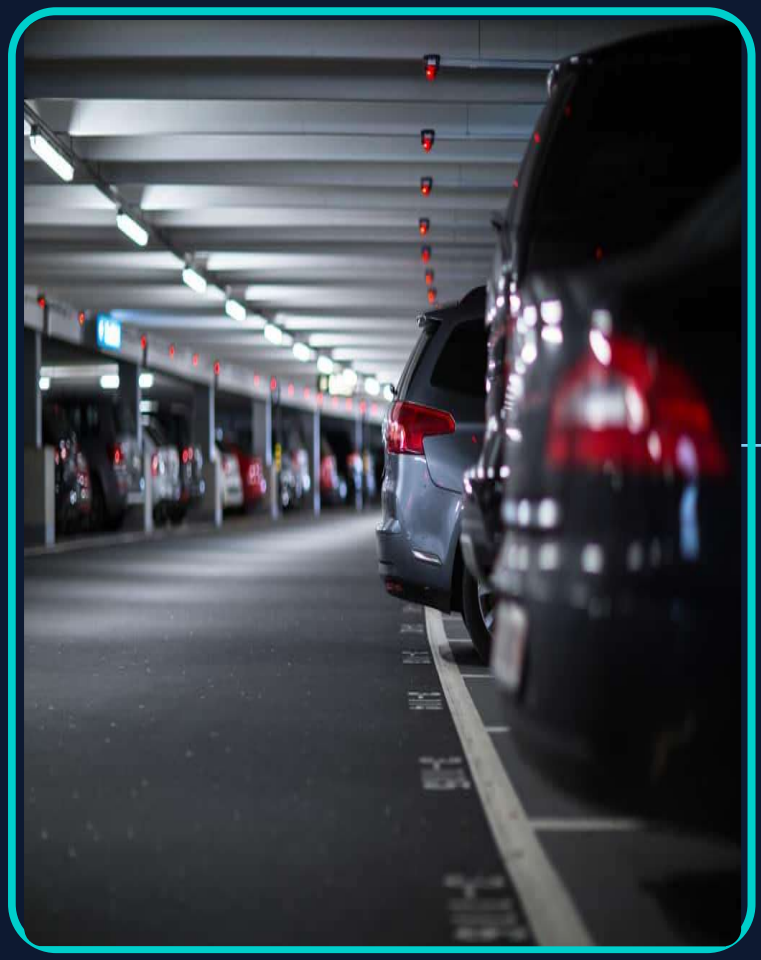


Other Useful Applications for Airports

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Parking Management

- How many spots are available & where
- Helping to find the car
- How long people park
- Detecting accidents
- Detecting fights



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IQ-Access



Databaseless

Fraudproof

Privacy Breech proof

Access Management

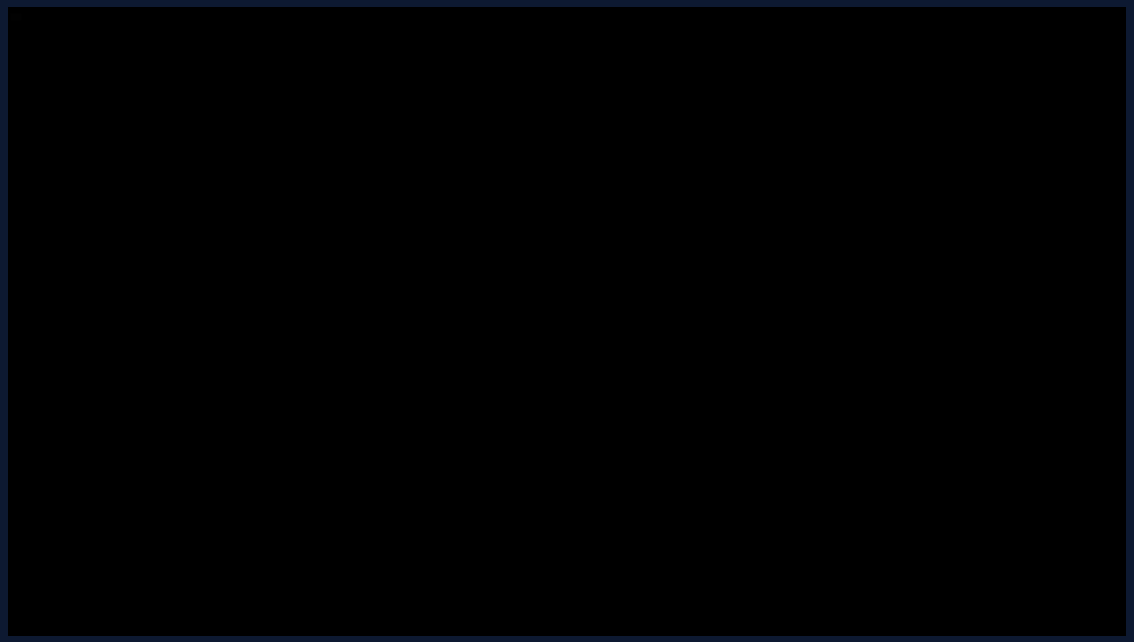


SEE:
https://www.youtube.com/watch?v=hU5qGvm_QrU&pp=ygUSaU9tbmlzY2llbnQgYWNjZXNz

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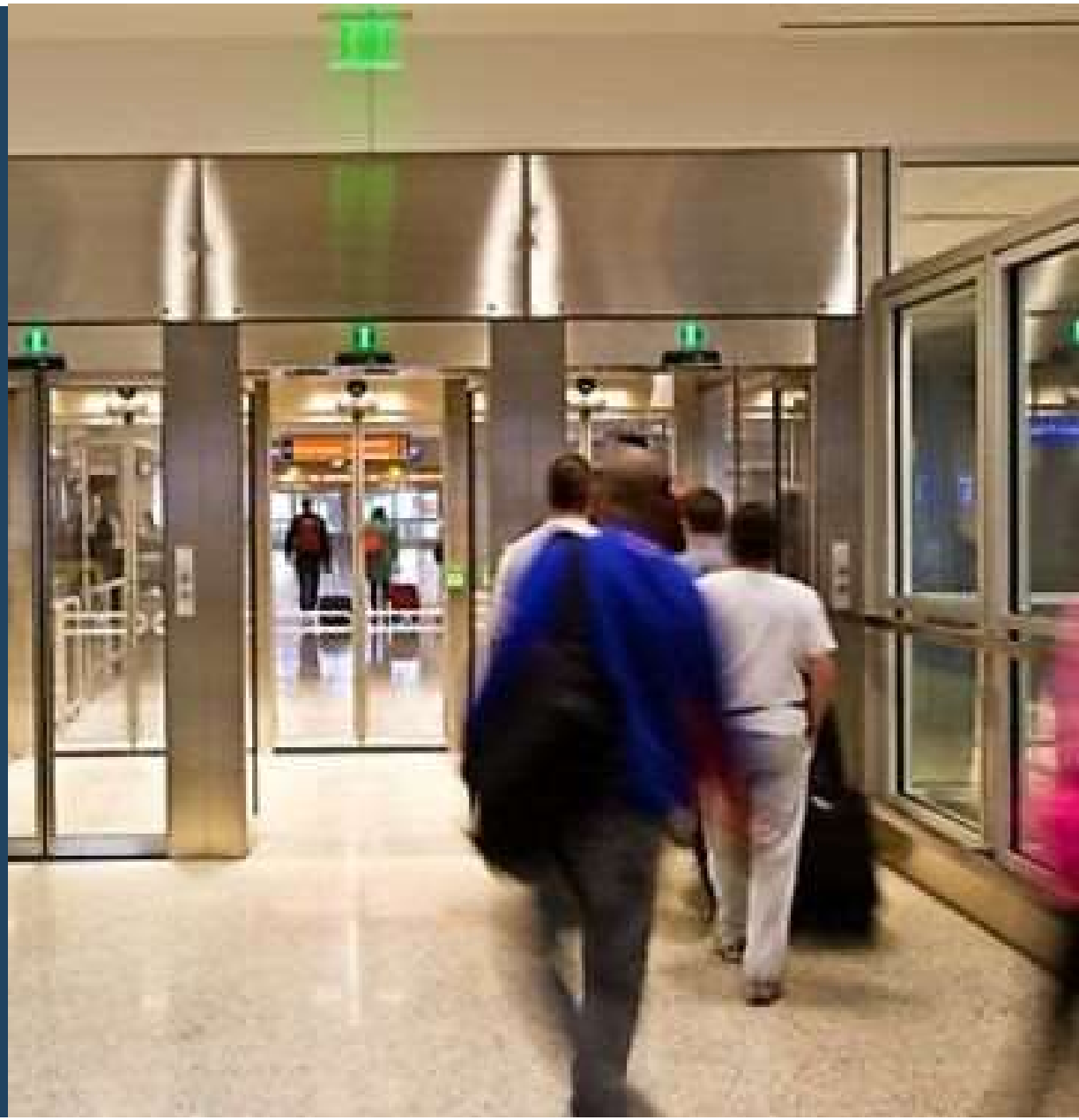
Understand Dwell Time



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Productivity:

- Automated one way Exit Doors
- Finding the last person who has not turned up for a flight





Customer Service:

- Automated Boarding with dual authentication

(More accurate than DigiYatra)



Tarmac

Objects on the tarmac

Perimeter Protection

Detect if intruder is guard or real intruder before raising alarm



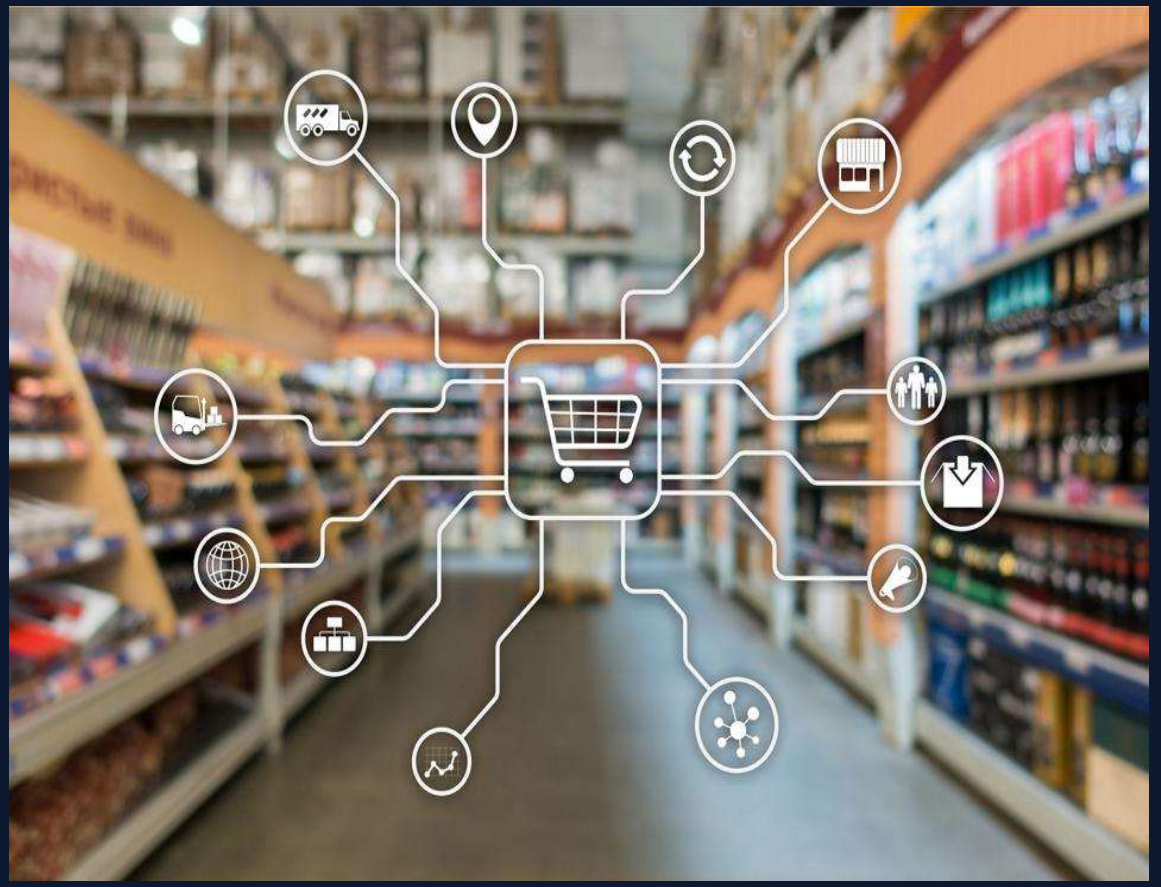
Queue Management (uncontrolled Queues)



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IQ-Retail

Comprehensive Analytics
for Retail Environments



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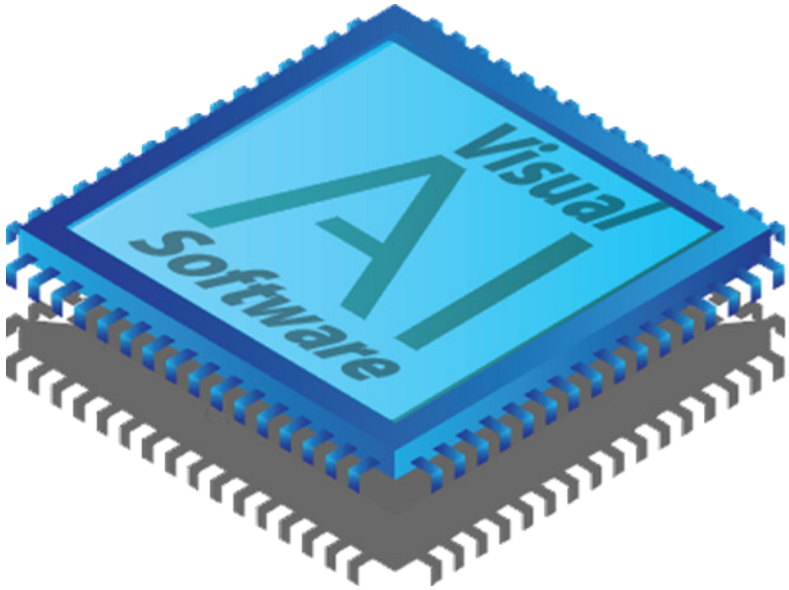
iQ-HealthCheck

(to ensure all your cameras are working effectively)



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We Have It NOW



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