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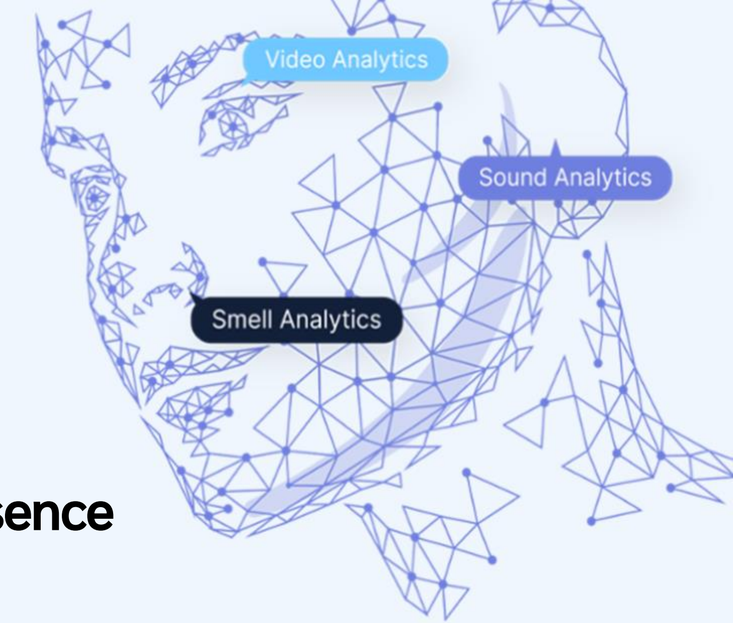


iQ-Smart Buses

Multi-sensory awareness for passenger safety

iOmniscient

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iOmniscient

Enhance passenger safety

Video, sound and smell analytics for buses

FIGHTS AND PANIC

Detect fights and panic in the bus.

OCCUPANCY

Continuously determine occupancy on the bus.

DRIVER FATIGUE

Check on driver tiredness.



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Maintain an Onboard Record

Understand incidents and damage

ONE CONTINUOUS ONBOARD RECORD



VANDALISM

Detect graffiti and other vandalism.

ACTIVITY RECORD

Maintain a continuous record of activity in the bus.

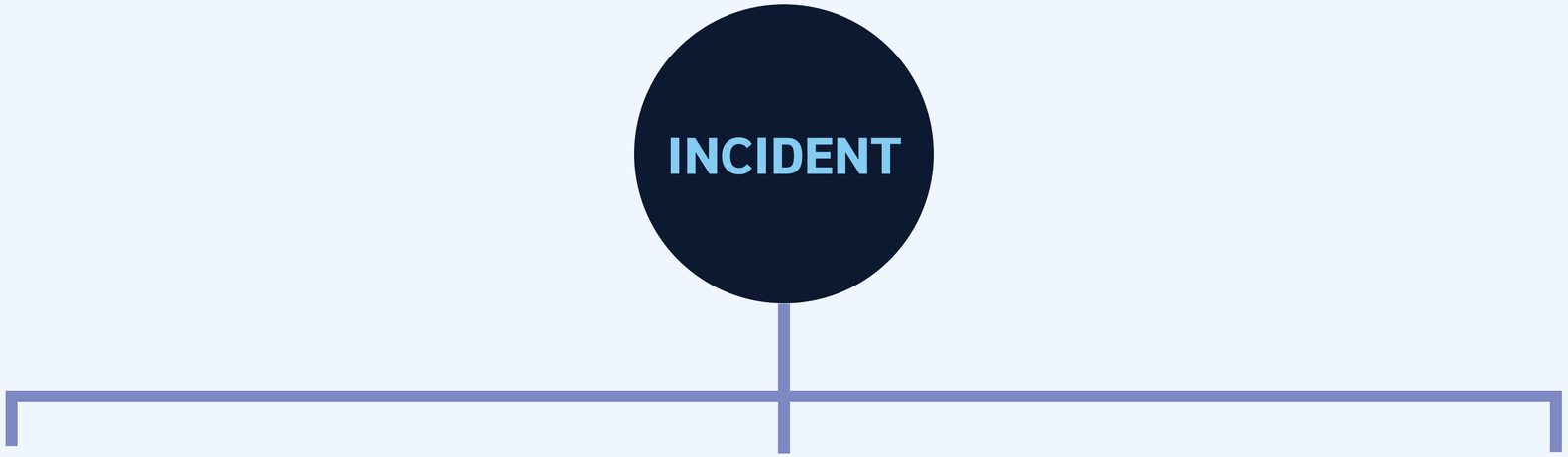
ACCIDENTS

Record accidents with the bus.

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Autonomous Response

Reach the right person through the right channel
- Escalate an incident



CORPORATE OFFICE

Advise the Corporate office if there is an incident.

MANAGEMENT

Advise management about major issues on their mobile phones.

DRIVER

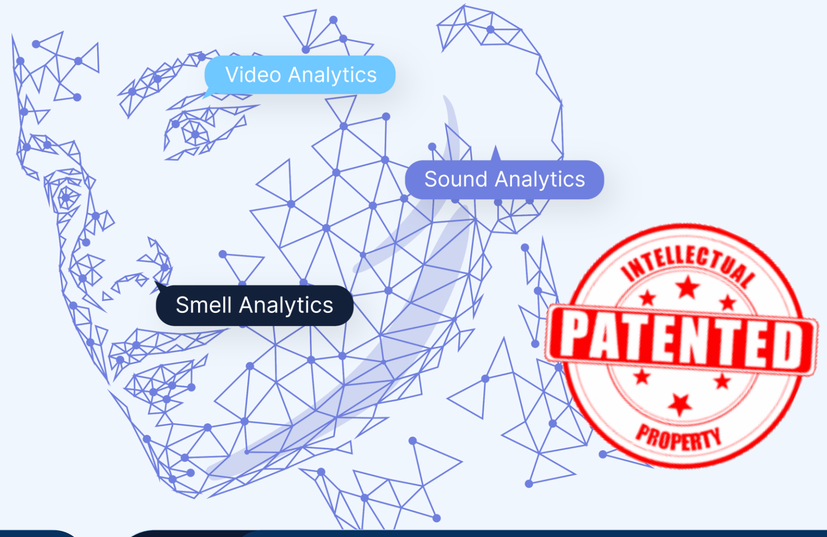
Advise the driver of major incidents with a voice message.

It can nudge the driver to stop and take a break if he is detected as being overly tired.

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Capability Profile

Multi-sensory intelligence for safer bus operations



01 COST EFFECTIVE

Uses existing
CCTV infrastructure

No GPUs
16×↓ carbon footprint

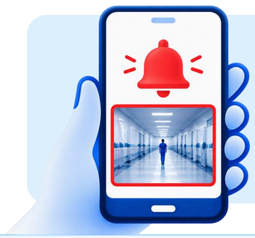
Fewer cameras
Lower-resolution cameras

90% less
Storage and network bandwidth

02 AUTONOMOUS RESPONSE

Detect › **Find** › **Respond**

When there is an event,
the system can find the appropriate responder and tell them where to go and what to do.



They do not require a large control room environment – **a smart phone becomes the control room.**

03 PRIVACY PROTECTION

All systems are privacy protected.

No passenger can be recognized by any operator of the system.
The system can still detect safety issues and raise alerts.

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Global Presence

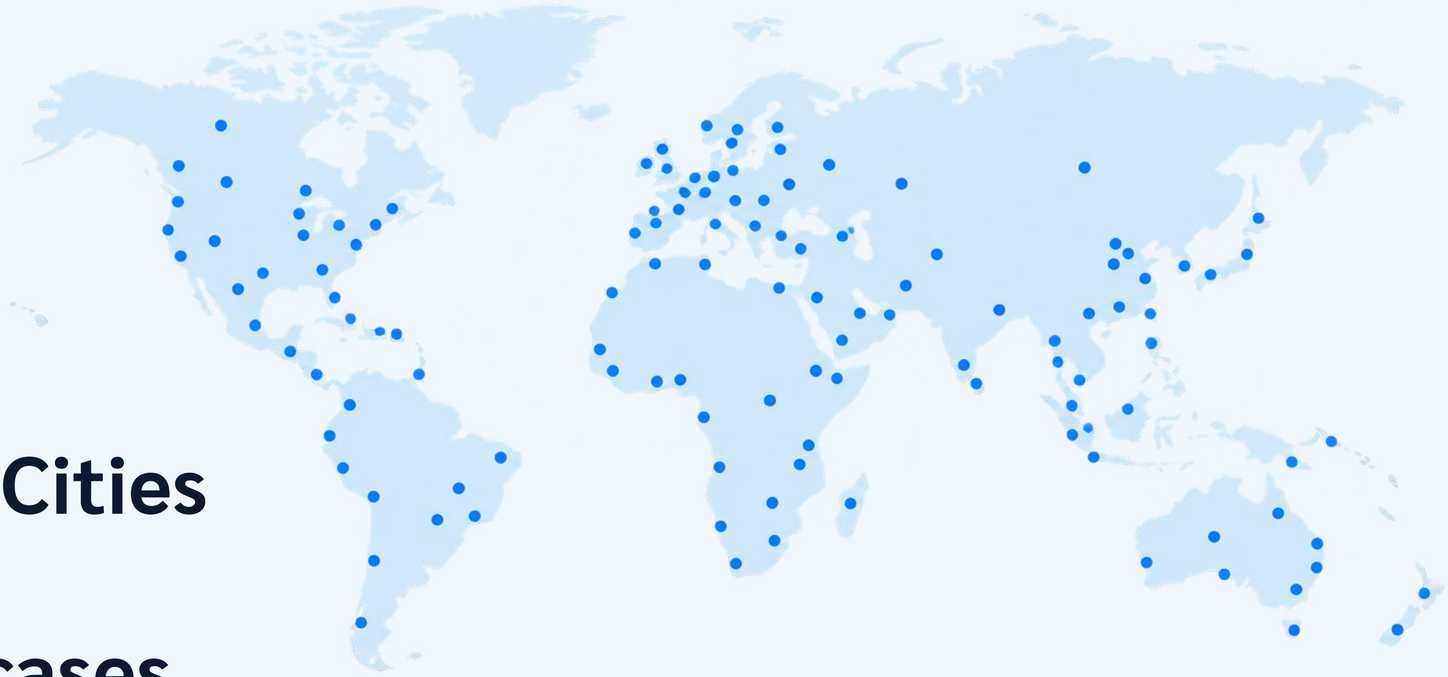
Global reach and proven applications

70+ Countries

30 Industries

Used by 75 Smart Cities

300+ Proven use cases



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About iOmniscient

Partnership

All iOmniscient Products run exclusively on Intel based computing hardware using OpenVINO™

- The use of Advanced AI technology that goes beyond Deep Learning enables iOmniscient to run its systems without the need for 3rd party GPUs.
- This reduces the power required by a factor of 16 – resulting in a 16-fold reduction in the carbon footprint.
- This is just one part of a multi-faceted program to help customers to implement Sustainable Systems.

www.iomni.ai

enquiries@iomni.ai

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About iOmniscient

- iOmniscient is an **Ethical AI** company.
- It offers **multi-sensory (video-sound-smell) Artificial Intelligence based analytics for Autonomous Systems.**
- It focuses on ensuring **Outcomes** for its customers.
- With **over 2 decades of experience,** iOmniscient systems have been demonstrated to be **robust,** operating with high accuracy and few false alarms specially in **complex and crowded** environments.
- By design, its systems **reduce the cost of infrastructure** required:
  - they can use existing cameras
  - they require fewer cameras with lower resolution
  - they require 90% less storage and network bandwidth
  - they are computing light and require no GPUs
  - they allow autonomous operations requiring fewer personnel to operate
- iOmniscient has implemented projects in **70 countries.**
- With over **70 international patents** many of its capabilities are unique and unavailable from any other source.





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