iOmniscient

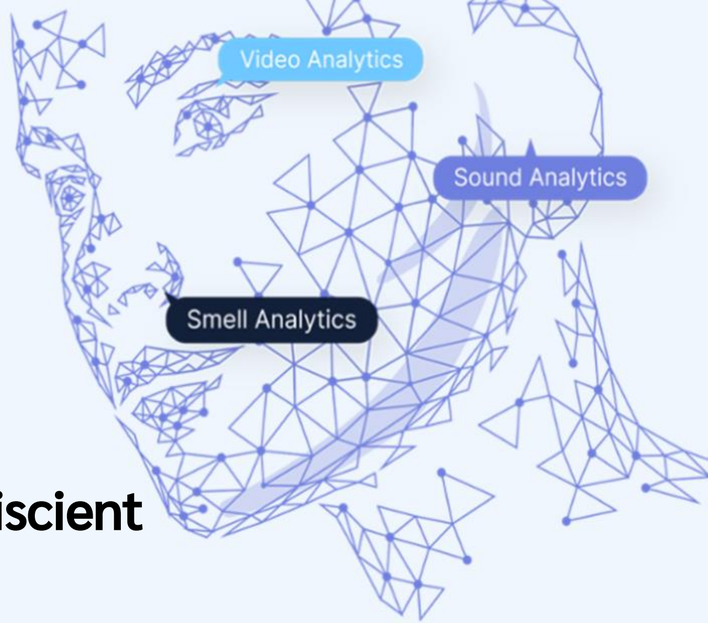
iQ-Flood

Detect rising water. Warn the right team.



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Flood Detection

Autonomous awareness for towns and cities

Early signal

Provide real-time information on areas beginning to flood. iQ-Flood is part of iOmniscient’s iQ-Smart City capability.

Rising water

Understand the rate at which water is rising.



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Early Warning

Alerts support evacuation and relief

Warn before risk spreads

Autonomous alert

Find the appropriate response team and send an early warning with information on the rate at which water is rising.

At-risk residents

Prepare warnings and evacuate those most at risk.

Relief

Organize rescue and relief operations as required.

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Situation Analysis

See the extent of flooding



Dynamic map

Show the extent of flooding and key risk areas.

Traffic management

Use the system simultaneously for traffic management and optimization.

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Experience and Scale

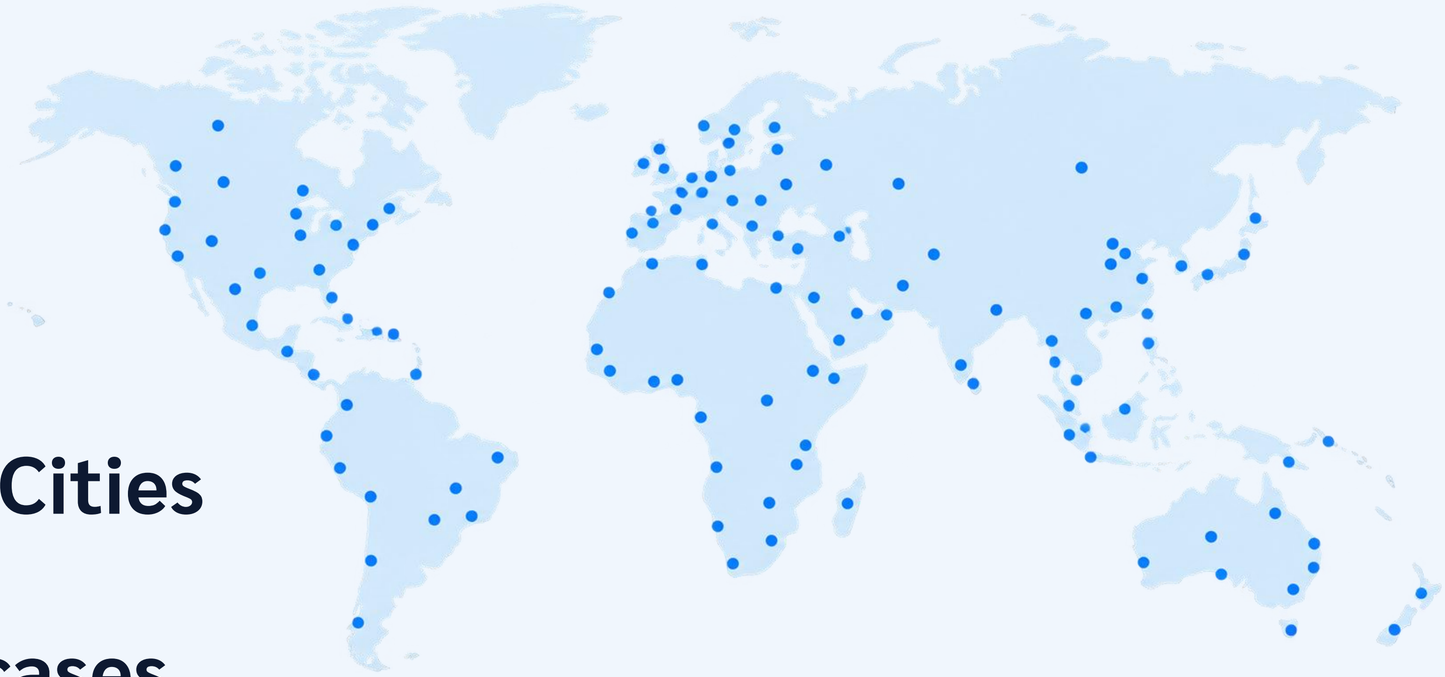
A proven range of implementations

70+ Countries

30 Industries

Used by 75 Smart Cities

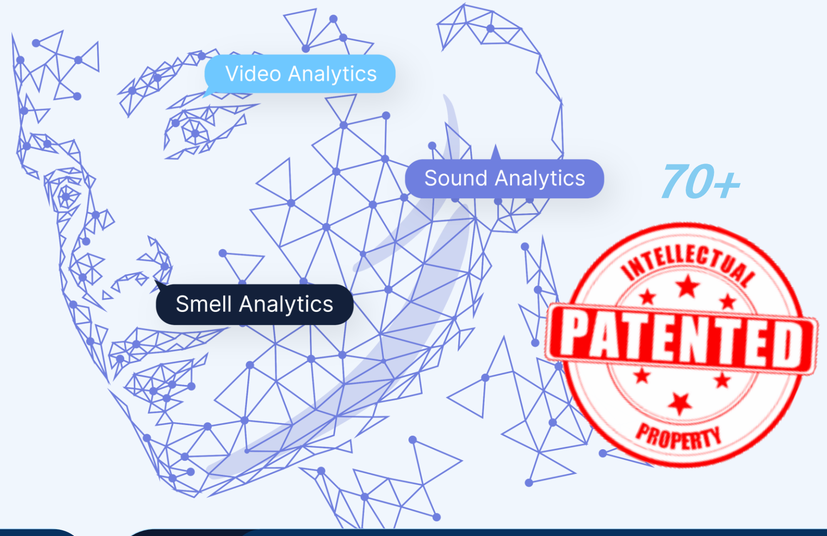
300+ Proven use cases



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Responsive Infrastructure

Advanced Multi-Sensory Analytics – Video, Sound, Smell



01 COST EFFECTIVE

Uses existing
CCTV infrastructure

No GPUs
16×↓ carbon footprint

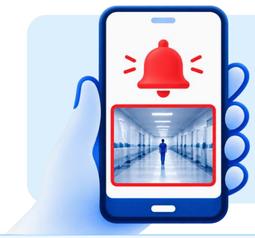
Fewer cameras
Lower-resolution cameras

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.

Privacy is never compromised even though the system is aware and can raise alerts for all issues.

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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

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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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