

USING LIDAR on CHIP

3D LiDAR Crowd Monitoring for increased safety, security and operational excellence



Pioneering 3D sensing software for 19 years

The most experienced team in real-time LiDAR processing.



Palmarès 100 brevets.tech



Agence de l'Environnement et de la Maîtrise de l'Energie

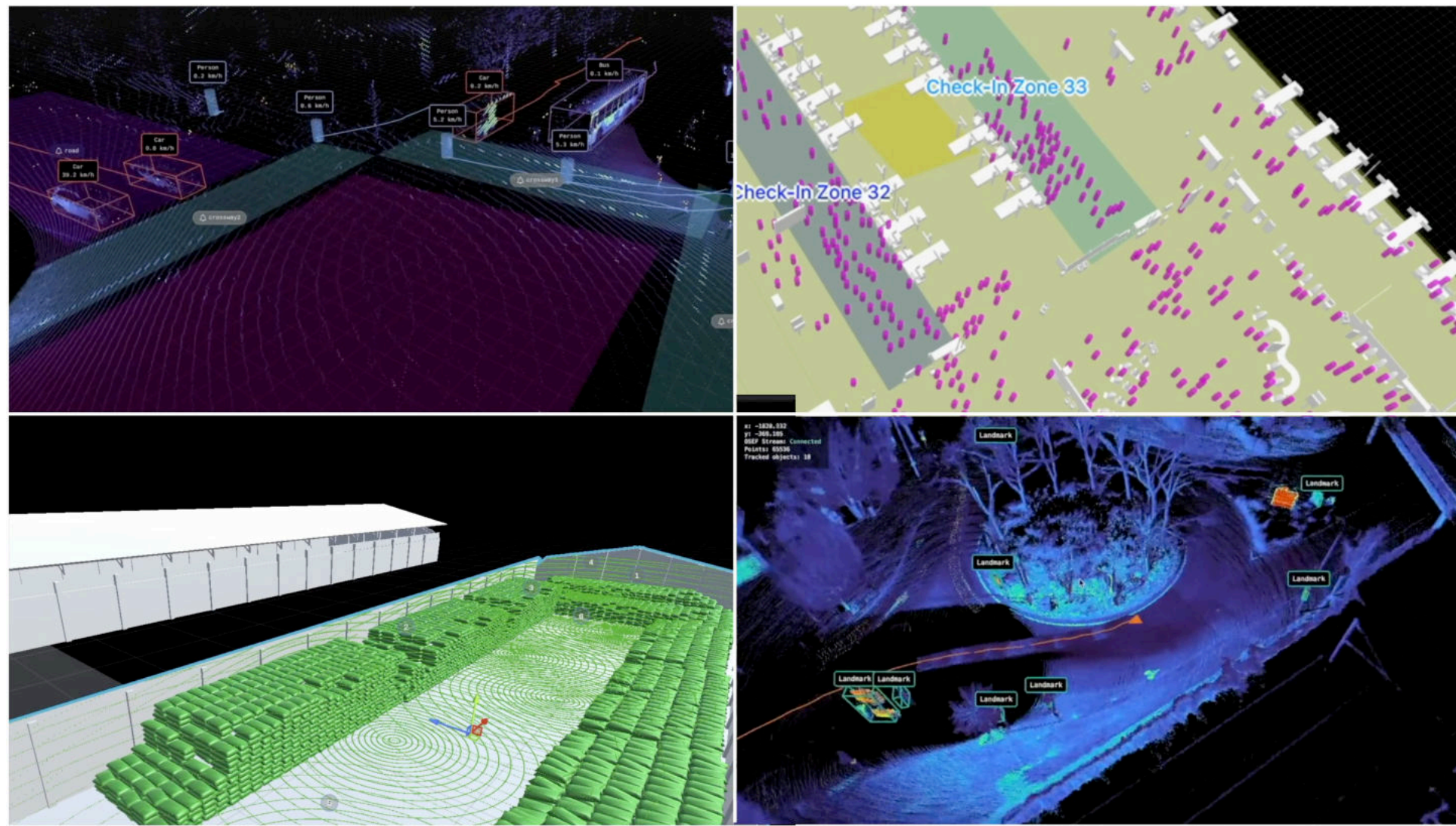


Featured in



Field-proven Solutions

Hundreds of customers from a variety of industries – from airports to cities and warehouses–use Outsight’s software and turn-key solutions.



3D LiDAR is a game changer

Compared to legacy technologies like Cameras, LiDAR brings unique value



3D native
Spatial Insight



Works in any
Lighting conditions



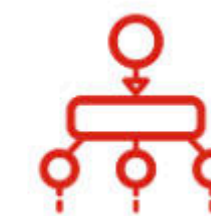
Privacy
by Design



Cm-level
Accuracy



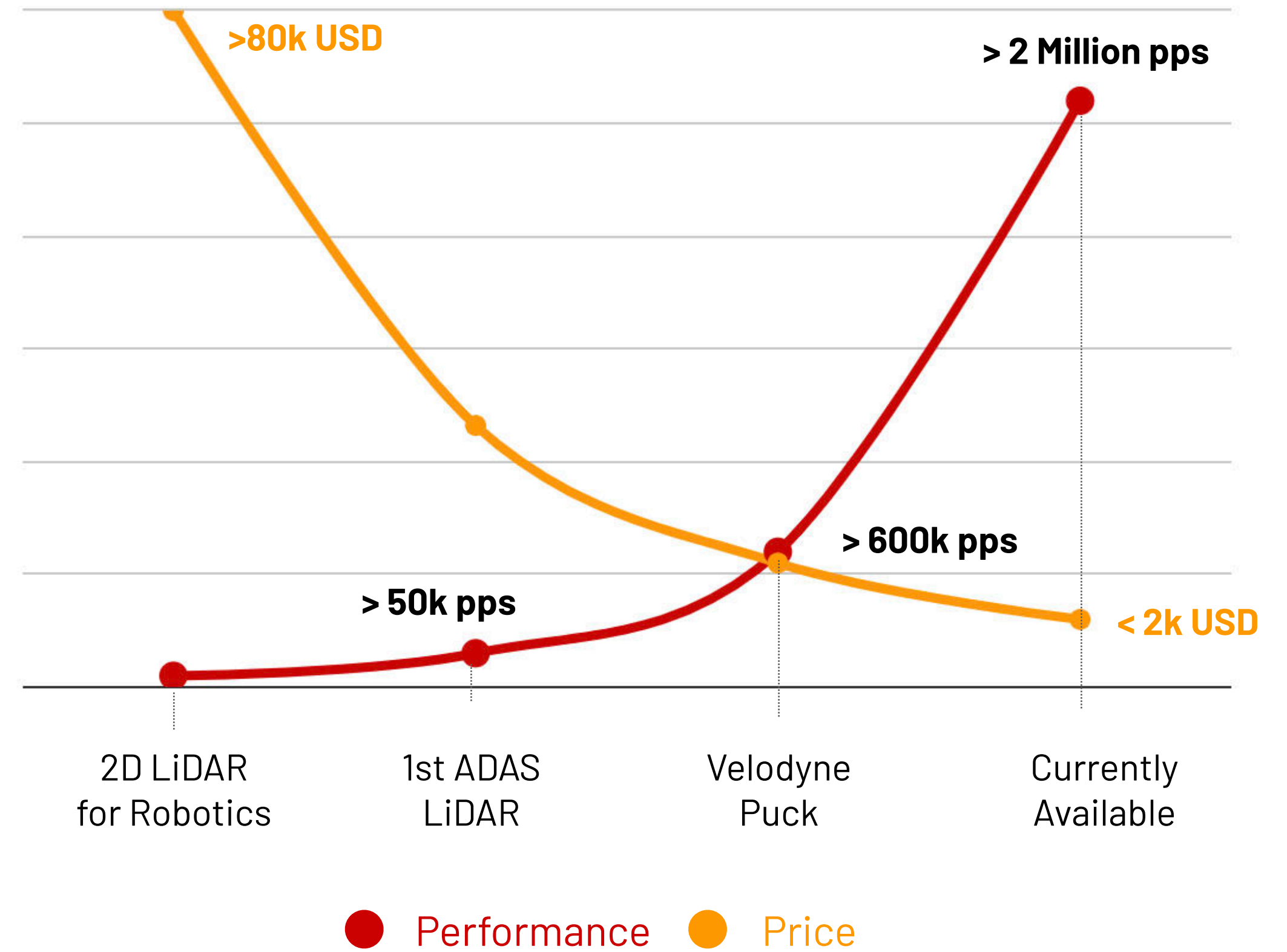
Large areas
Coverage



Scalable in
many applications

Hardware is now mature and affordable

Many sensor models with the right price-performance ratio are currently available



3D LiDAR is unleashing the Spatial Intelligence market.

The R&D phase for self-driving cars sparked the technology development phase.

Applications outside automotive are unlocking tremendous business value.

Automotive



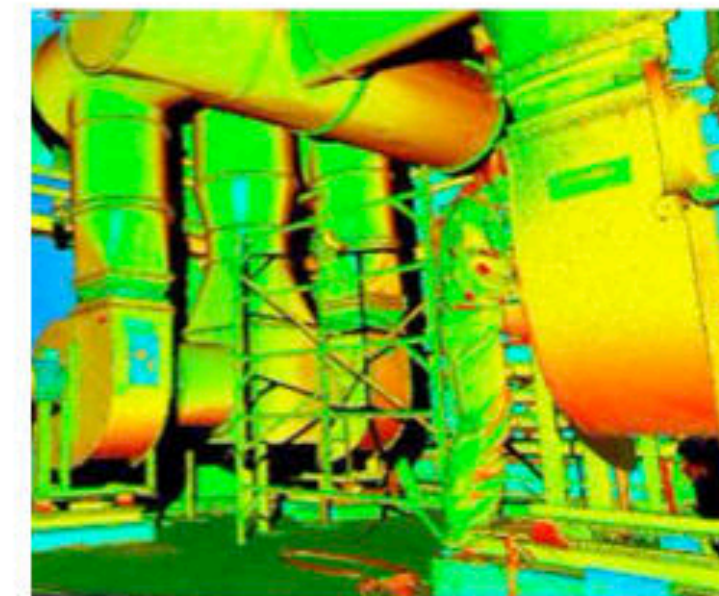
Started Here

Infrastructure



Deploying here

Industry



Deploying here

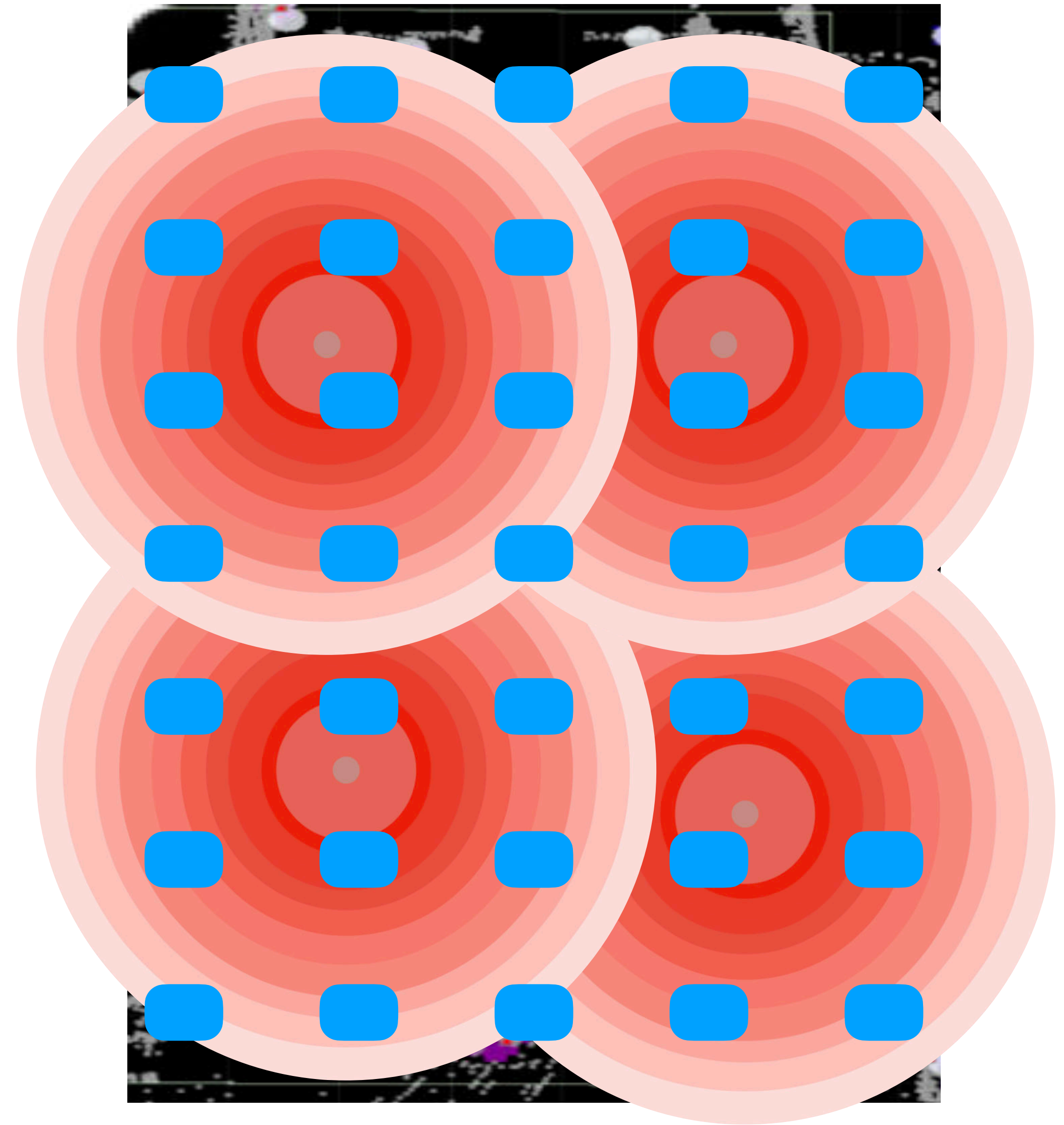
Robotics



Deploying here

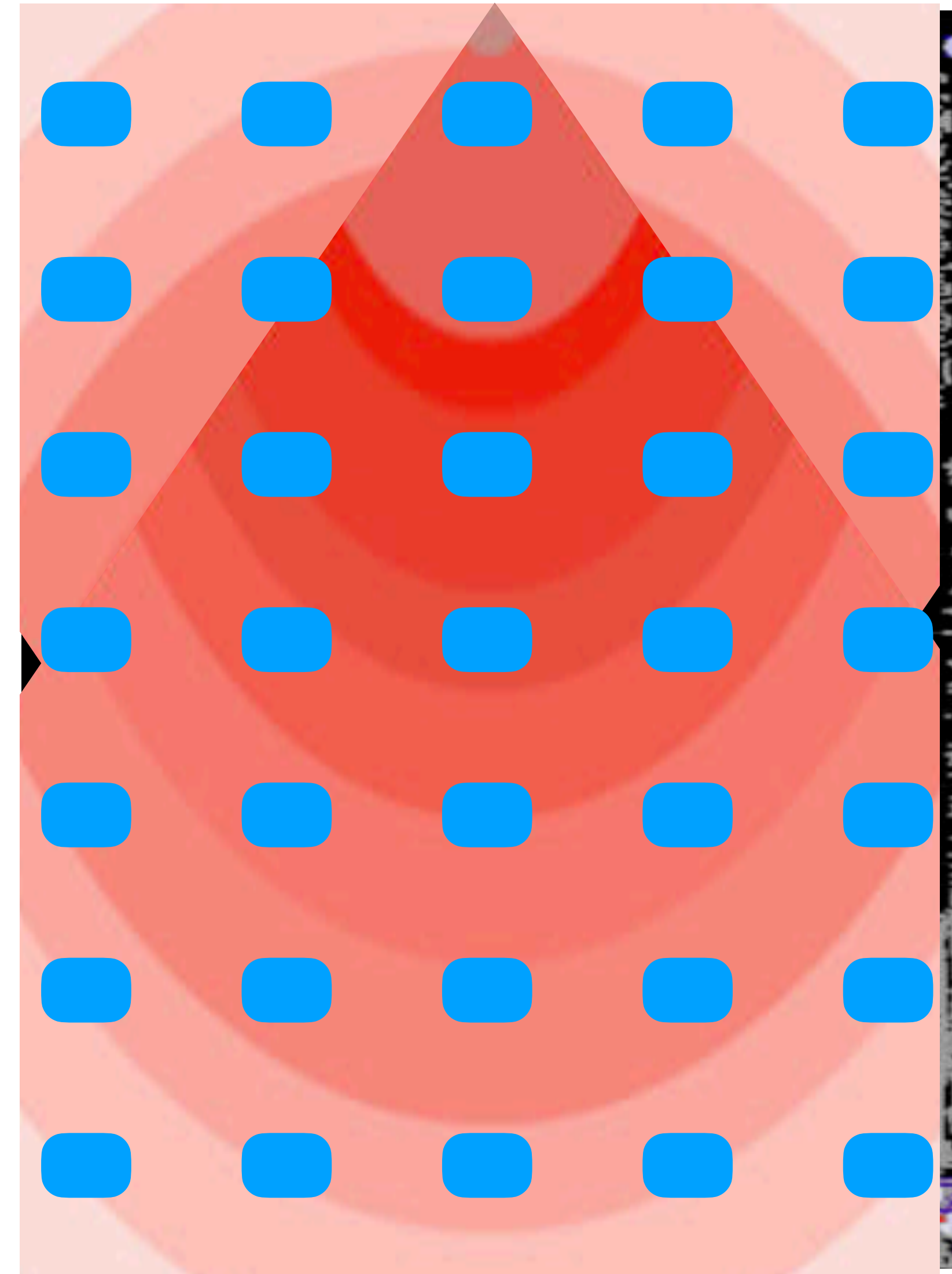
Between **x3 and x10 less hardware** than top-view cameras

It's not only about cost of sensors, but also installing them, wiring them, networking usage and processing requirements.

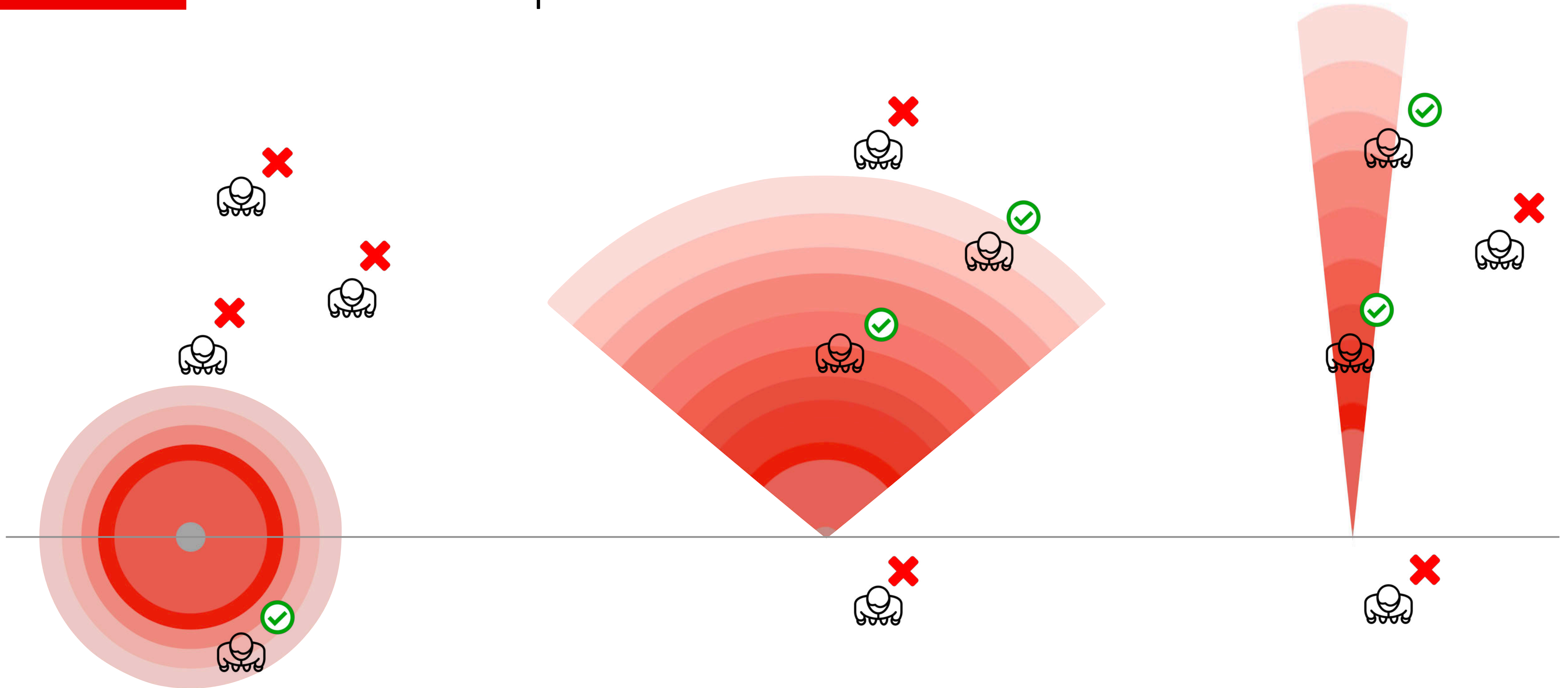


Between **x3 and x10 less hardware** than top-view cameras

It's not only about cost of sensors, but also installing them, wiring them, networking usage and processing requirements.



There is no perfect LiDAR



360° FoV

Good Area Coverage

Front-Facing

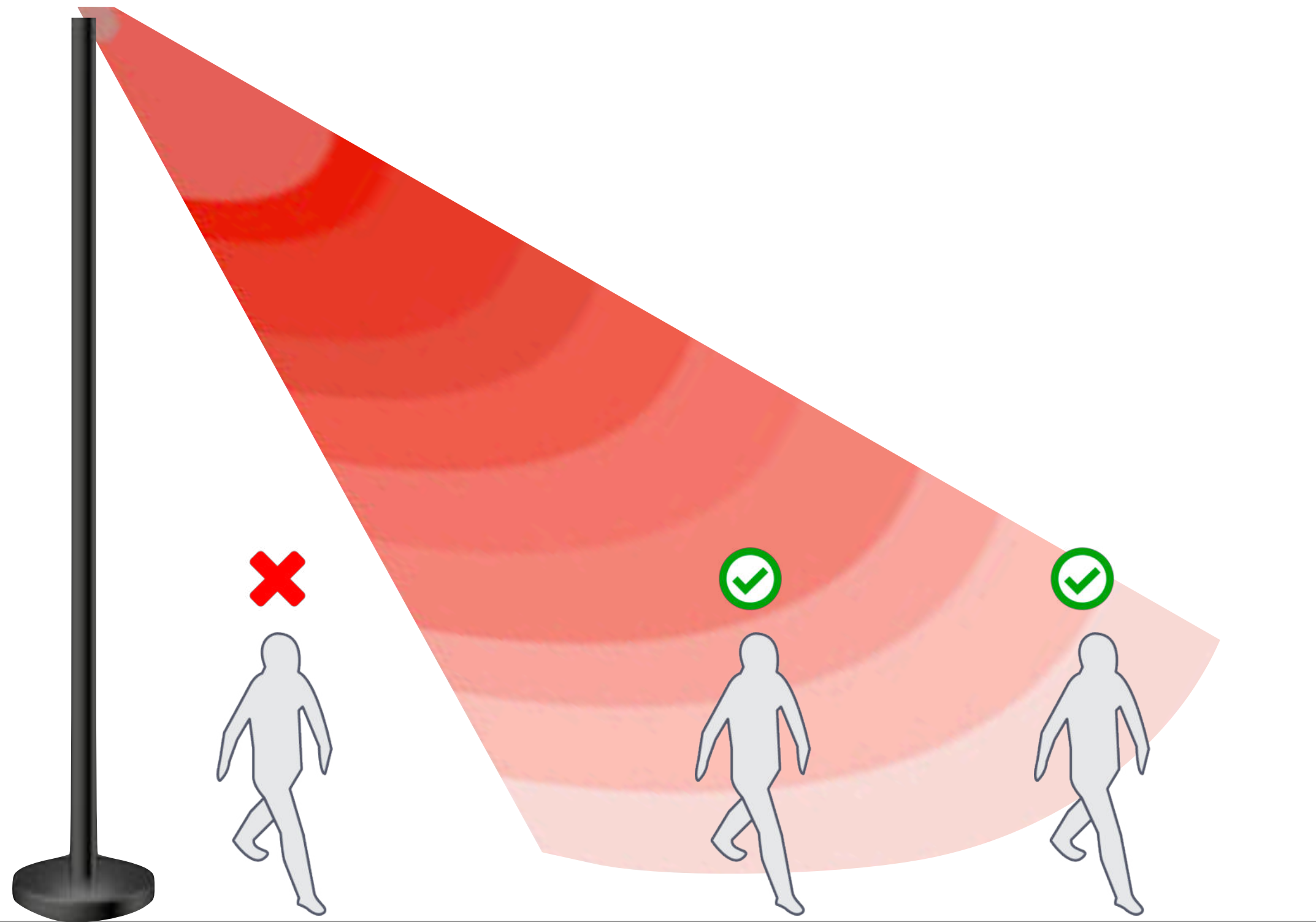
Longer Range & Resolution

Narrow FoV

Longest Range but focused

There is no perfect LiDAR

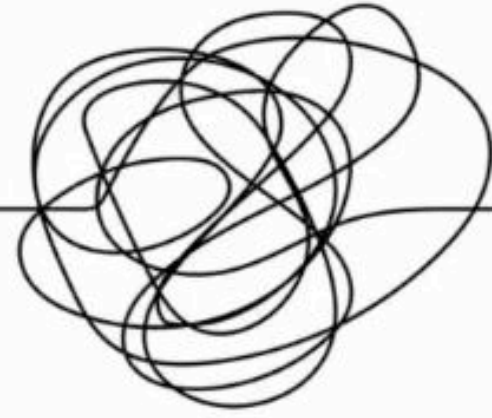
Wide Vertical Field of View



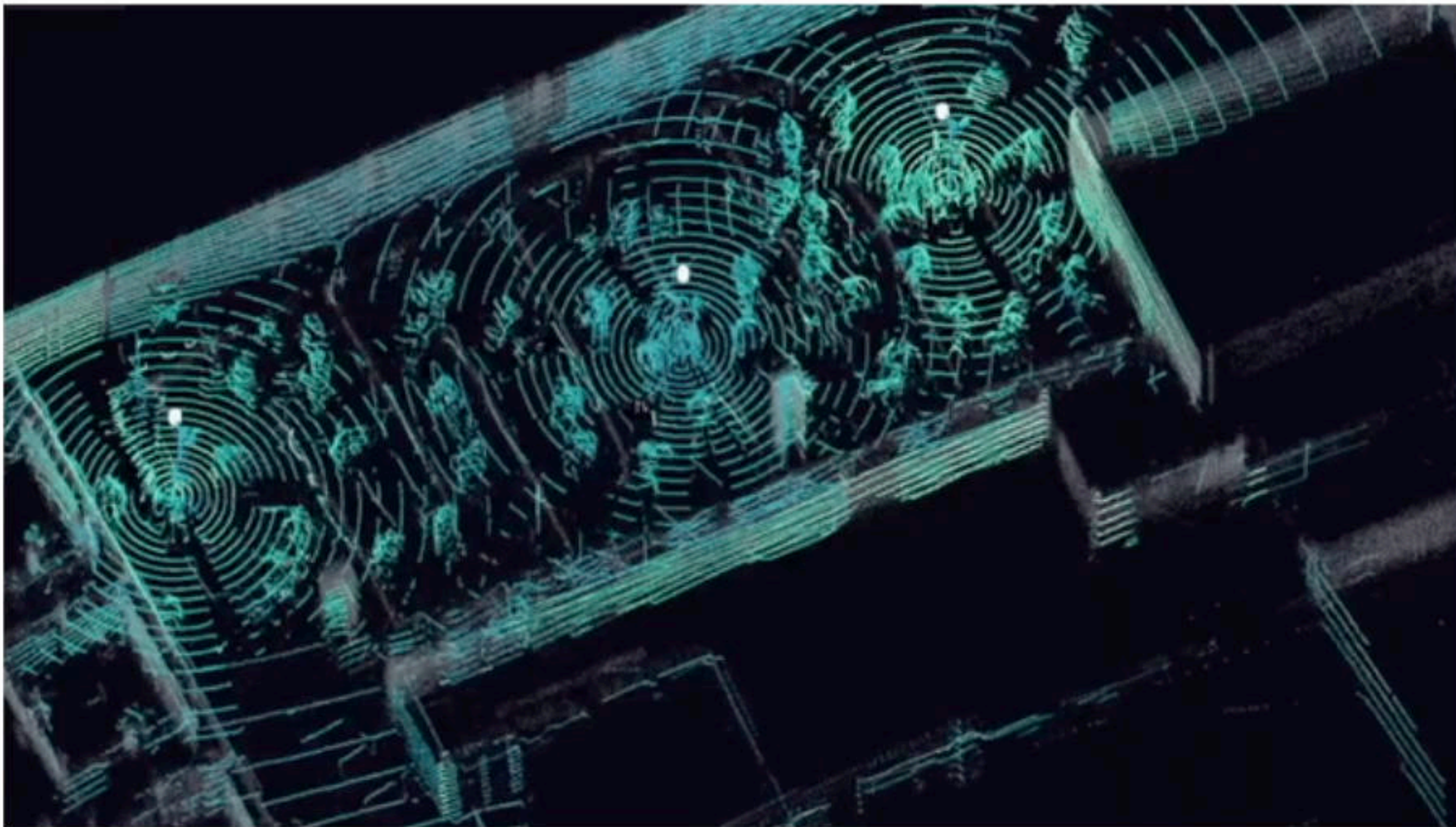
Narrow Vertical Field of View



What LiDARs Provide



What Customers Need



3D RAW DATA



ACTIONABLE INFORMATION

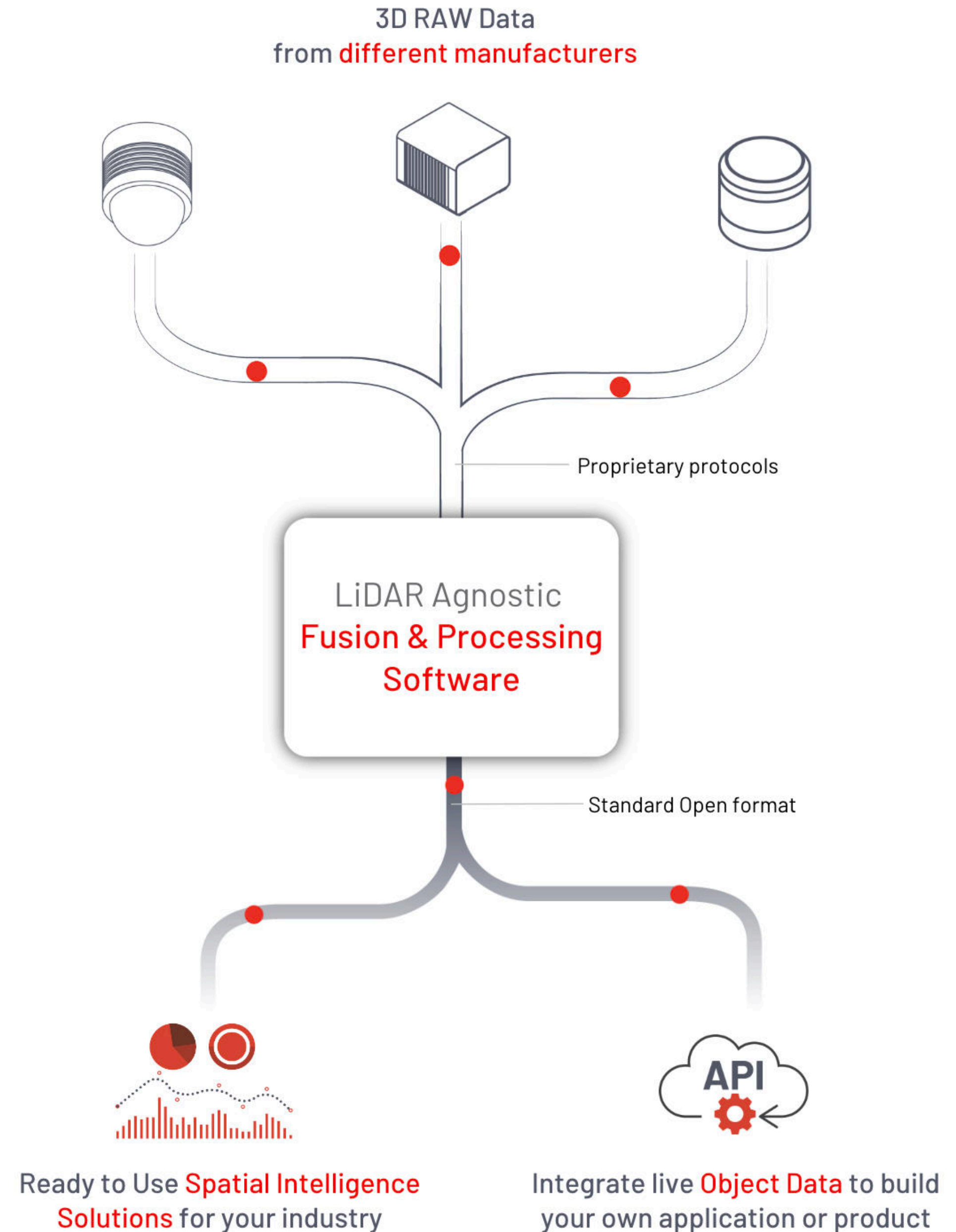
Unlocking LiDAR capabilities

Delivering Plug & Play Spatial Intelligence

Ready to use **3D LiDAR processing software**,
for any application.

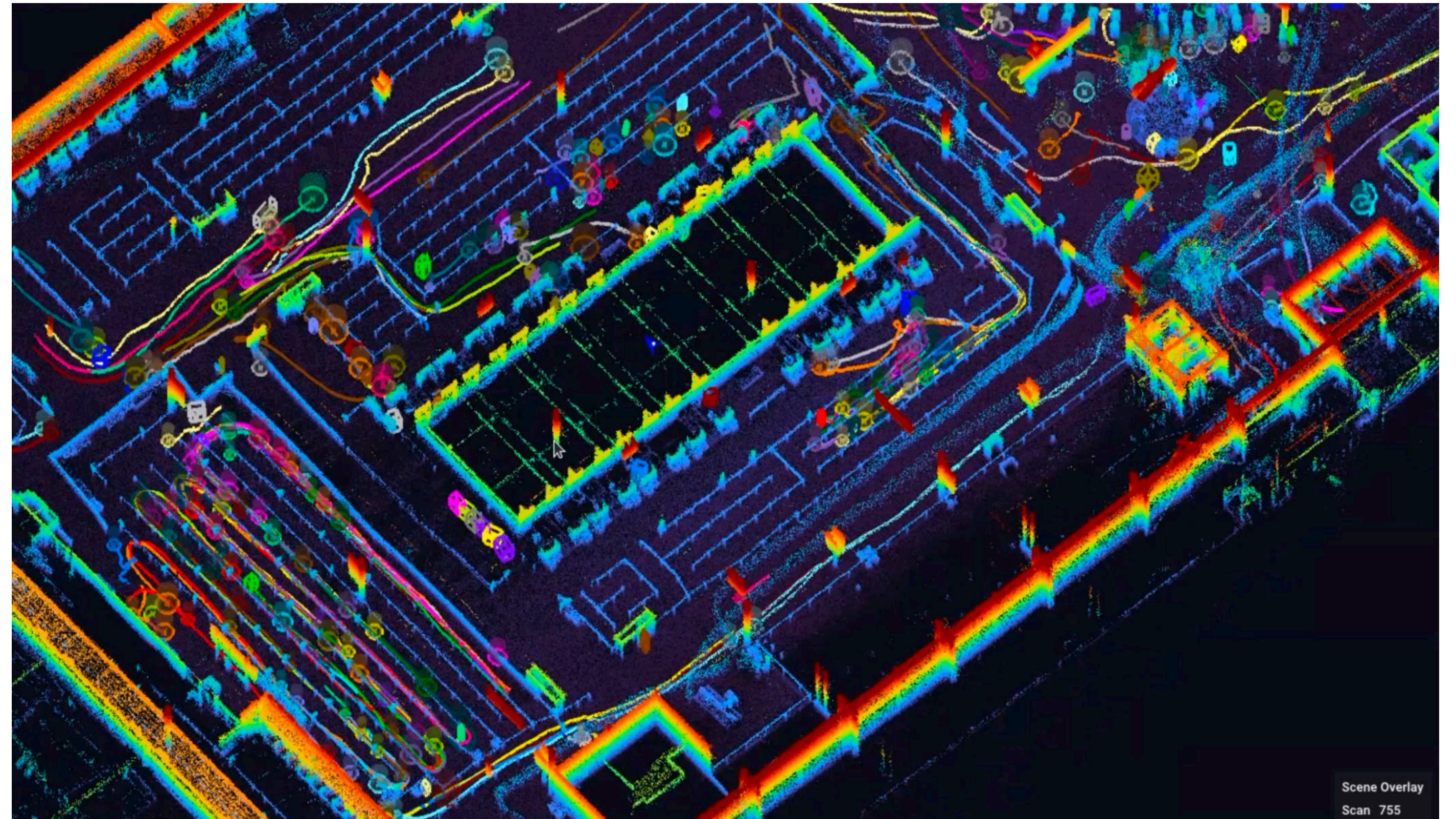
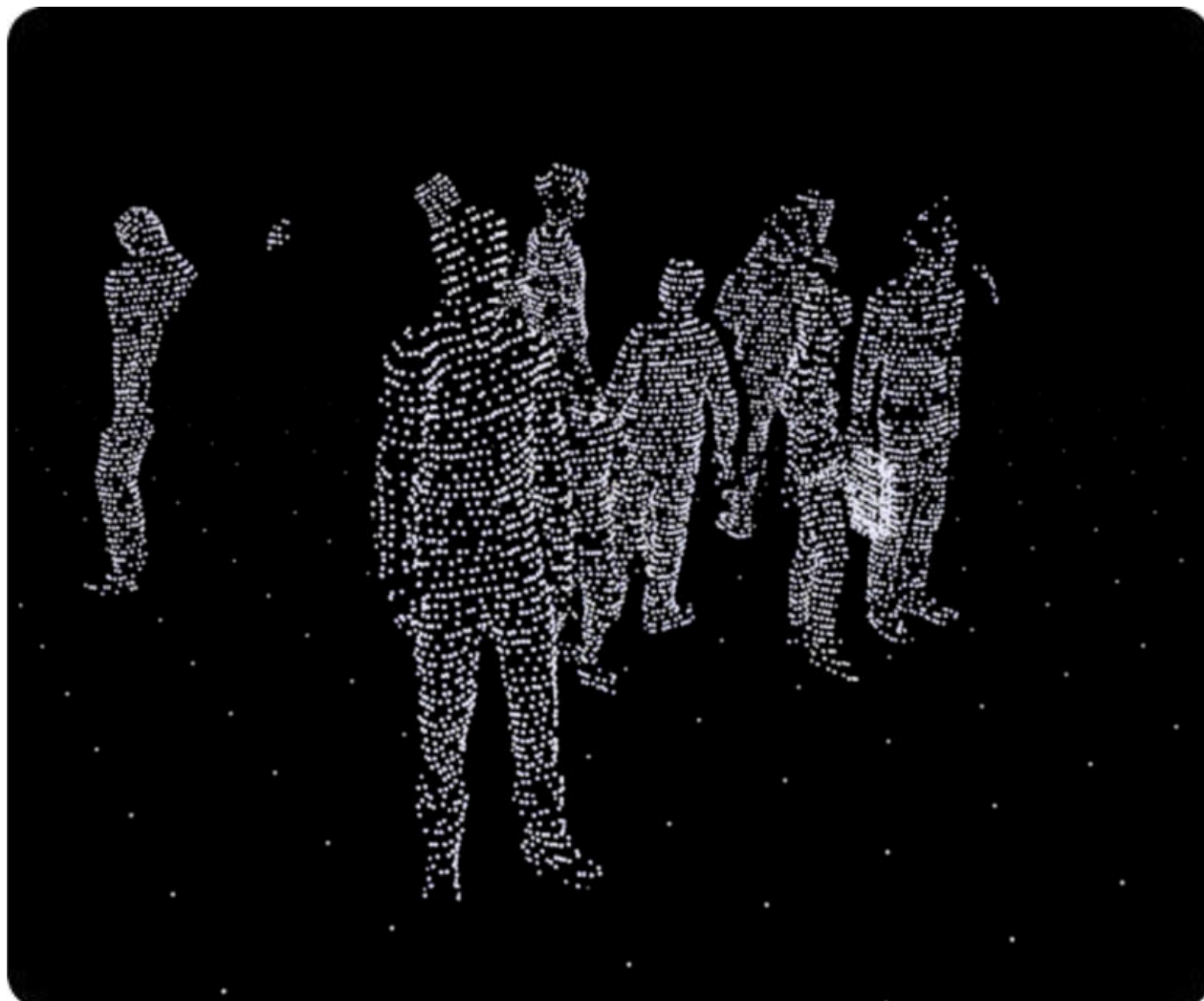
State-of-the-art performance.

In real-time.



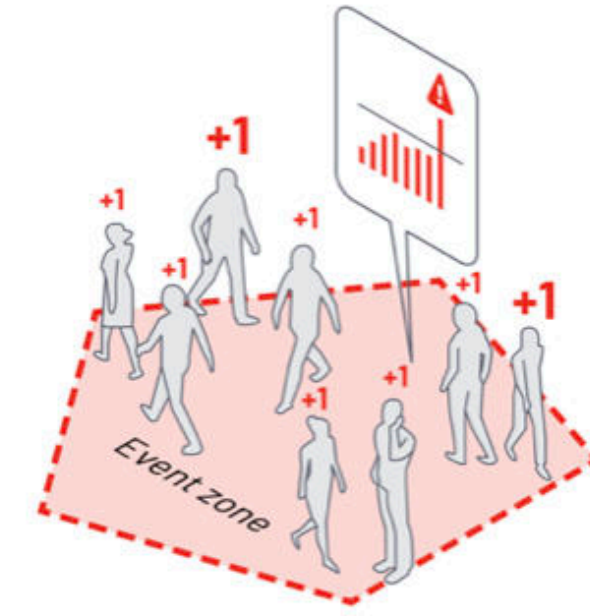
Anonymous Crowd monitoring at scale

Track thousands of people without any Private or Identifiable information.

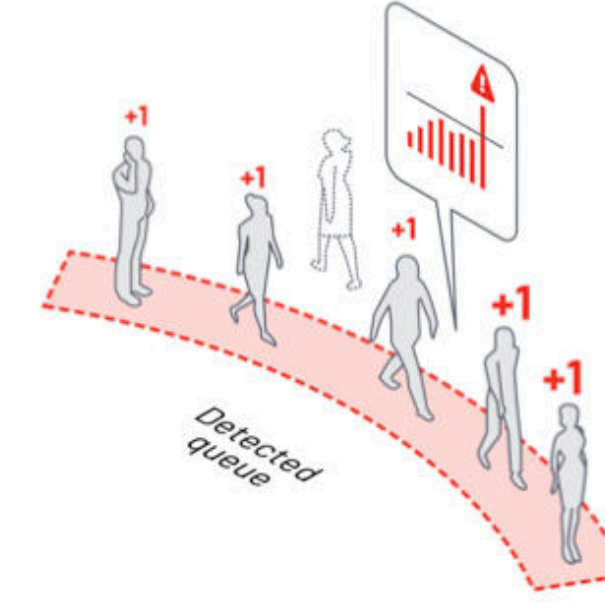


Actionable KPIs

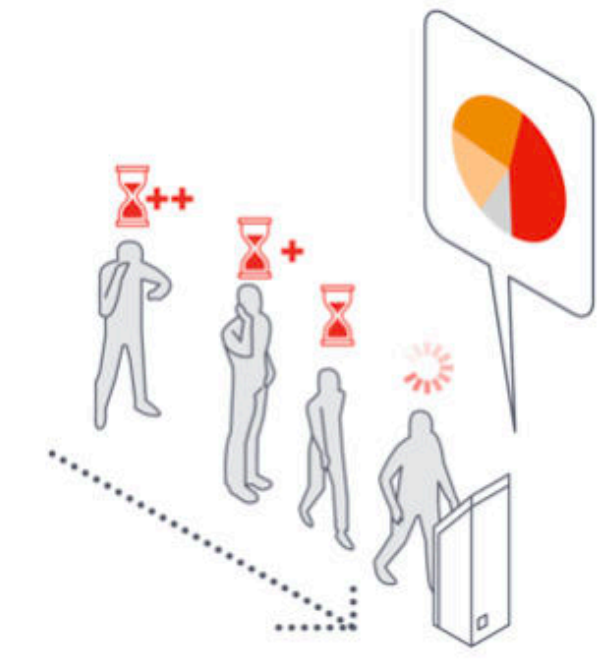
The Key Performance Indicators (KPIs) is one of the most important modules of any Airport Spatial Intelligence solution such as Outsight's.



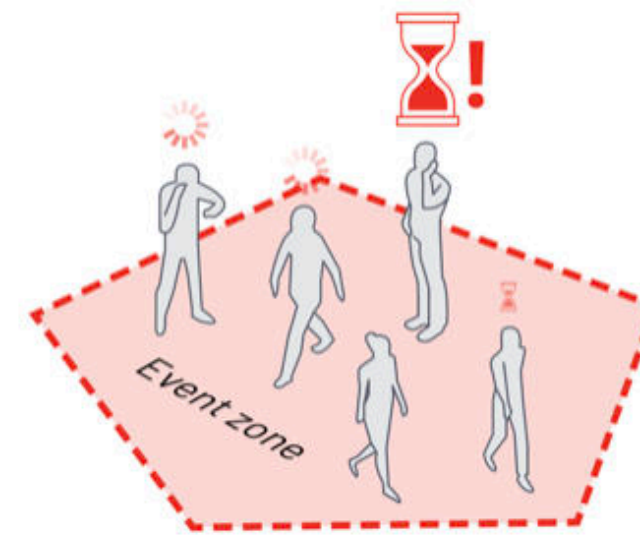
People occupancy in a Zone



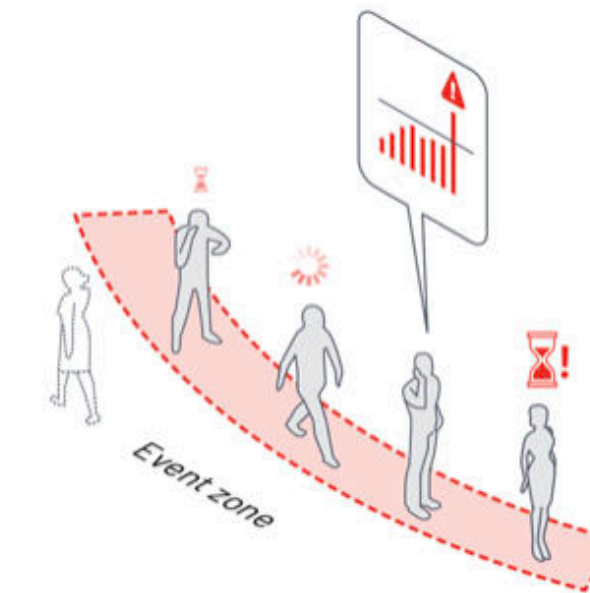
People occupancy in a Queue



Usage of Resources



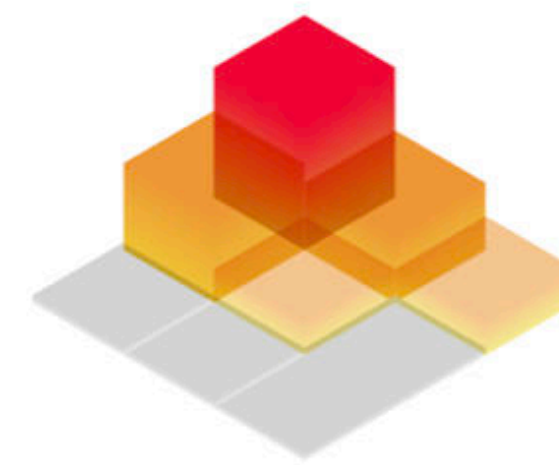
Waiting time in a Zone



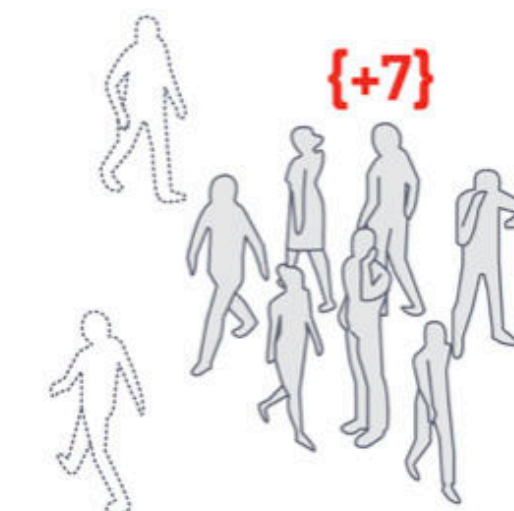
Waiting time in a Queue



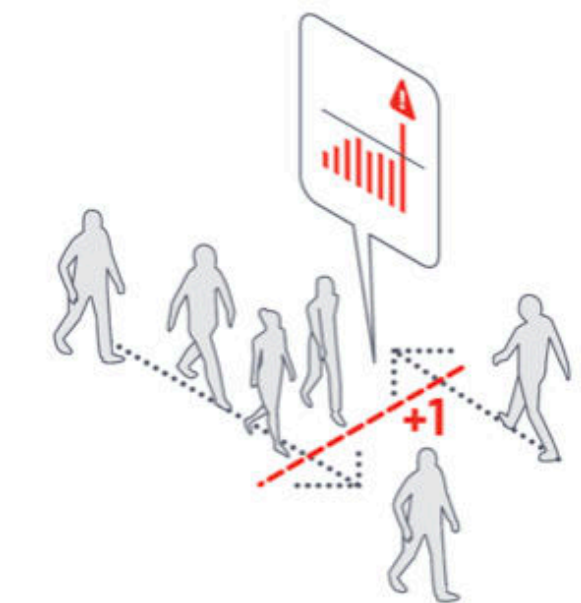
Safe distance detection



Premises-wide 3D Heatmap per KPI



Cluster of people detection



People flow across a line

User-friendly web Dashboard



Real-time Alerts
triggered by your events



Time-aggregated
Valuable Insights



3D People Flow Monitoring transforms spaces

A new generation of technology unlocks operational efficiencies, improves customer experience and increases security.

3D Spatial Intelligence capabilities are now available for any People Flow monitoring application, driven by LiDAR sensors and a dramatic improvement in price-performance

Sensing Hardware is complex and only part of the solution, as there is no perfect manufacturer that fits the diverse needs of Crowd Monitoring projects.

As a **Software Pure player** Outsight can help you bring your LiDAR-based People Flow Monitoring application to live, using the right(s) Sensor(s).