MultiSens Intersection

See your intersections and beyond like never before.

MultiSens Intersection fuses video AI and wireless sensors into a single, unified system. This is a practical evolution in traffic detection that delivers seamless signal actuation, comprehensive traffic analysis, and unprecedented accuracy by combining the strengths of two proven technologies.

Intersection: Video AI with deep learning

- **Comprehensive scene analysis** of all approach lanes with an algorithm built on years of video processing and deep learning expertise.
- **Differentiate between vehicles and vulnerable road users** for smarter, more responsive signal phasing and enhanced safety.
- **Add traffic data analytics** with actionable insights for planning and traffic signal optimization.
- Extend the system to **automatically detect and alert operators about incidents** such as wrong-way drivers or stalled vehicles.

Advance / Midblock: Wireless in-road sensors

- **Precise lane-specific detection** of all approaching traffic beyond the sight of cameras or radar installed at the intersection.
- **Immune to weather, lighting conditions, occlusion**, and other line-of-sight limitations such as trees or curves in the road.
- **Installs in just minutes per sensor** without trenching - ideal for locations lacking power or comms.
- **Provides road temperature** for valuable winter maintenance data.

Contact us to join the FREE trial waitlist:
https://sensysnetworks.com/truesensorfusion

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MultiSens Intersection

True sensor fusion for multimodal traffic detection in a single system.

Premium Accuracy

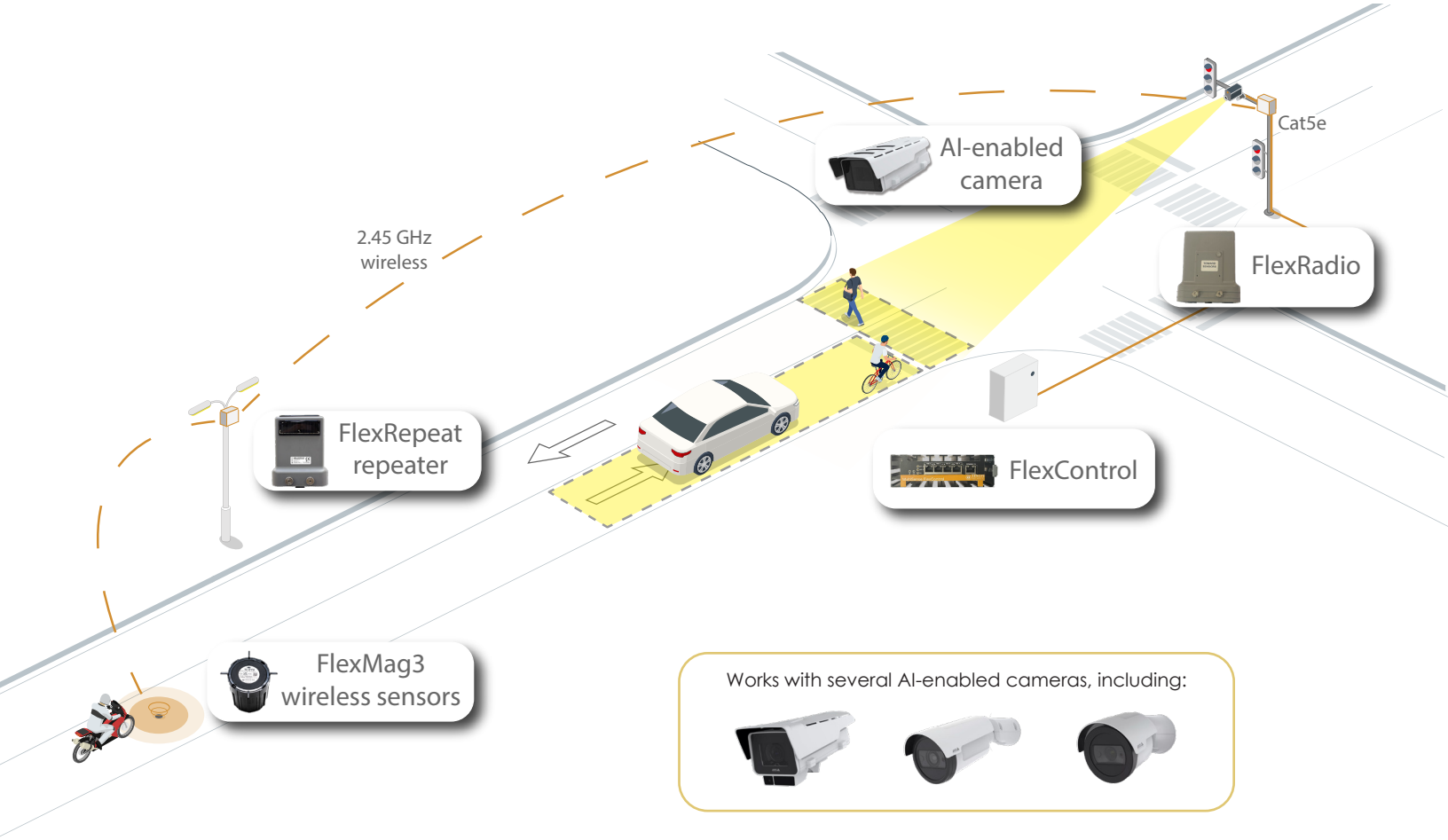
See all vehicles and VRUs - no blind spots. Multi-sensor fusion delivers superior accuracy across every lane.

Unmatched Flexibility

Detect traffic where others can't. Wireless sensors work without trenching, power, or line-of-sight.

Unified Control

Not just two systems. One platform, one interface, real-time detection from all sources together.



Unified Software Platform

Manage all detection and traffic data from a single platform, simplifying setup, diagnostics, and ongoing management.

Edge Processing

Reduced latency and bandwidth demands through edge processing directly on AI-enabled cameras.

Scalable Architecture

Start with basic detection, expand to advanced analytics, incident detection, and adaptive control.

Power Over Ethernet

Simplified installation with both power and data transmission through PoE cables to pole-mounted radios and cameras.

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