



ORBIS Sensors



ORBIS Sensors are essential for the way we manage and understand traffic on our roads. With data fusion and advanced data processing capabilities, our system delivers real-time traffic data with increased accuracy, enabling road authorities to make informed decisions on infrastructure planning, traffic management, and incident response.



Example applications

Inductive loop detectors

Traffic volume measurements and speed recording. Highly accurate and reliable, even in extreme weather conditions.

ANPR cameras

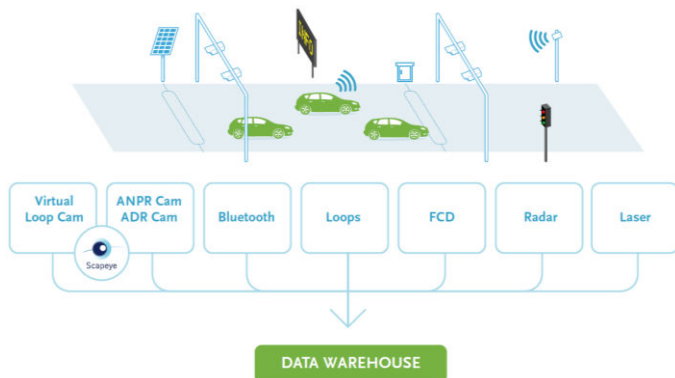
With vehicle characteristics detection and Bluetooth scanners for travel time measurements.

Radars/cameras for vehicle count

Classification, queue estimation and incident detection. Range of mounting options for flexible installation.

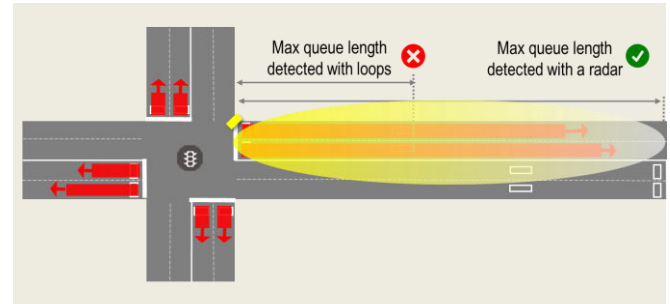
Floating Car Data

Uses data from GPS-enabled devices in vehicles to track travel times and routes.



Implementation

ORBIS Sensors' radar sensors helped reduce vehicle loss hours by 5-10% in a pilot project aimed at preventing gridlocks in Amsterdam North. Our reliable queue data ensured the optimization of buffer space and detection of critical incidents, allowing for immediate precautionary actions to be taken.



Advantages

Experience the power of accurate traffic data with ORBIS Sensors. Our state-of-the-art traffic sensors deliver real-time vehicle flow, classification, travel times, and speed data for customizable trajectories. With low latency processing and fusion of data sources, our system enables reliable traffic forecasts and infrastructure decision support, all while offering flexibility, scalability, and cost efficiency.

STATE-OF-THE-ART CONTROL STRATEGY

Be in control of your road network with ORBIS Sensors - real-time traffic data and incident detection at your fingertips



INFRASTRUCTURE DECISION SUPPORT

Make smarter decisions with ORBIS Sensors' comprehensive analysis of travel times, leading to optimized infrastructure planning and accurate traffic forecasts

FLEXIBILITY & RELIABILITY

Flexible architecture and highly accurate sensors, backed by reliable SaaS/DaaS models for guaranteed scalability and performance



COST EFFICIENCY

Seamlessly integrates with multiple existing sensors, while adding Floating Car Data as an effective option that doesn't require investment in building or augmenting a sensor network



Benefits

Complete traffic data

- Accurate and real-time updates
- Identify and analyze traffic trends

Visibility into traffic flow

- Speed, travel times, vehicle classification
- Reduce fuel consumption

Integration with existing systems

- Reduces the need for costly new infrastructure
- Flexible architecture, streamline data collection

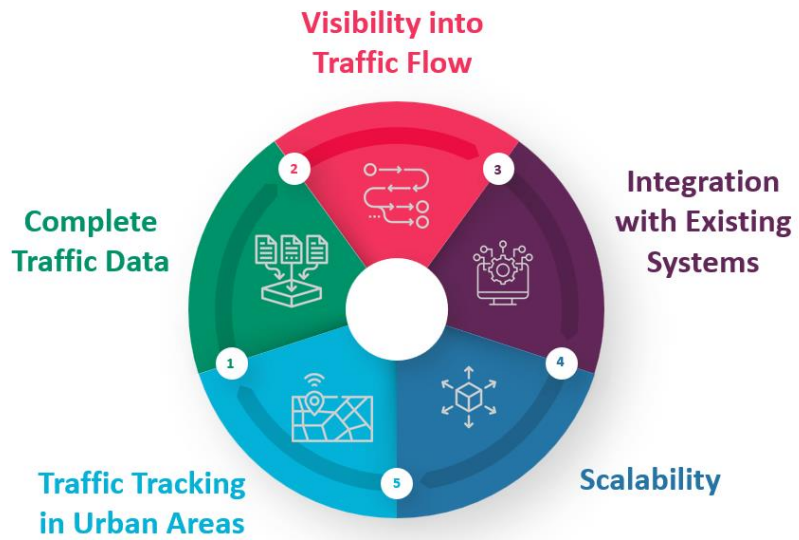
Scalability

- Handle increasing amounts of data
- Easy expansion and customization

Traffic tracking in urban areas

- Improved quality of life for citizens
- Identify and address areas of congestion

Choose ORBIS Sensors for accurate traffic data and improved road network control solutions. Contact us today.



About ARS T&TT

ARS Traffic & Transport Technology (ARS T&TT), headquartered in the Netherlands has been providing intelligent traffic and transport technology solutions to businesses and government bodies for over twenty years. We are an active player in our home market of the Netherlands, with a particular emphasis on meeting the growing international demand for innovative transportation solutions. Our mission as an independent 'Intelligent Transport System' (ITS) solutions provider is to rapidly expand our leading position in the fast-growing smart traffic and transportation markets. We believe continuous improvement and innovation enable us to achieve this mission.

For more information, contact us: info@ars.nl



100+
Projects



8
Countries



24
Years of experience



350+
Employees

