



# TRAFFIC MONITORING & DETECTION

SAFE, SUSTAINABLE ROADS

Collect and interpret  
data for real-time  
distribution & effective  
traffic network  
management.

DATA DRIVEN SOLUTIONS

# Safe, sustainable mobility

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**From urban centres to remote communities, transportation is part of our daily lives.**

Around the globe, transportation is driven by the need to connect communities, goods, and people in a safe, sustainable manner.

Our holistic portfolio of intelligent transportation solutions aim to do just that—improve traffic flow safely and sustainably.



## Q-Free smart traffic monitoring solutions



**Weigh-in-motion with enforcement**



**Traffic counters & classifiers**



**Cycle safety & priority**



**Crowd detection & monitoring**



**Bluetooth & WiFi journey times**



**Traffic insights & reporting**

# Q-Free smart traffic monitoring & detection solutions equip you with the real-time data to tackle congestion, promote sustainable travel, and support national and local transport objectives.

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Protect your road infrastructure



Identify trends to plan better & tackle congestion



Install & maintain with ease

## WEIGH-IN-MOTION

Meet your most demanding detection and weigh-in-motion needs with Q-Free. Compatible with piezo polymer and quartz sensors, our high- and low-speed WIM solutions monitor up to 16 lanes to:

- Identify overweight vehicles
- Automate enforcement & pre-selection
- Protect highways & bridges

Gather highly detailed information including vehicle size and type, number of axles, per-axle, and overall vehicle weights.

## COUNTERS & CLASSIFIERS

Our best-in-class high-speed traffic data collection systems leverage artificial intelligence for unrivalled accuracy.

Detect, count, and classify vehicle traffic, per leading global standards, with:

- AI loop signature analysis
- Volumetric counters
- Loop profiling counter classifiers
- Axle classifiers
- Non-intrusive counter classifiers

## CYCLE & PEDESTRIAN DETECTION

Detect and protect vulnerable road users in multi-modal environments via integration with traffic signals, active information, or safety warning signs.

- Use on dedicated or mixed-use pathways
- Distinguish user types
- Monitor up to four lanes

## JOURNEY TIME

Q-Free journey time monitoring systems detect anonymous signals transmitted by Bluetooth and WiFi enabled devices to:

- Track vehicle travel times, origin & destination
- Monitor road use & identify trends
- Calculate crowd numbers & movements

## SOFTWARE & ANALYSIS

Sophisticated collection and analysis tool that equips transportation authorities with valuable insights to make data-driven decisions for their infrastructure planning and investment needs.



*Proud distributor of Q-Free*

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Revised 8 Sept 2022.