

Automated Queue Warning System (AQW)

Enhanced safety and scheme efficiency.

Our AQW System is highly accurate and provides real-time queue detection and automated advance warning, with full monitoring, analysis, and reporting.

When a queue forms, the system reacts accurately in real-time with a pre-programmed message alert triggered on our Variable Message Signs (VMS) to warn drivers approaching at high-speed, allowing sufficient time to slow down.

The system involves communication between queue detection sensors at key locations which transmit data directly through JamLogic software.



The sensor detects stopped or slow traffic in seconds, reducing the risk of rear-end collisions.

Utilising proprietary technology, our system offers unique features that enhance safety and efficiency beyond conventional traffic control devices.

Benefits



Drivers receive accurate and timely information, giving them more time to react – enhancing safety, smoothing traffic flow and reducing driver frustration



Traffic management teams can identify congestion patterns and adjust work zone planning for lane closures, contraflow or diversions – minimising delay time



Significantly reduce risk of accidents and incidents – protecting road users and road workers



Proactive incident management
Traffic Managers can monitor queue data in real-time through our JamLogic software, taking immediate action to address excessive back-up of traffic, deploying additional warning signs or adjusting signal timings



Encourages smoother driving behaviour with less acceleration and sudden braking – reducing carbon emissions

DATA SHEET – Automated Queue Warning System (AQW)

Features

- **Real-time driver and project team alerts** once a queue is detected
- System is capable of **dynamically adjusting the warning distance** based on traffic conditions
- **Integration with Traffic Management Systems** such as speed indication devices, temporary traffic signals and real-time driver information systems such as Google and WAZE
- **Integrated radar, modem with GPS**, lithium battery and solar regulator mounted on a secure stand
- **Pick up speeds from vehicles across 3 lanes**
- Auto locates with other Speed-Macs to provide **complete overview of queuing traffic**



AWARD WINNING

National Highways/Alliance
Outcome Award for

'Customer Home Safe and Well'

SHORTLISTED

Highways Awards 2025

'Best Use of New Technology'

 **FIND OUT MORE**

To learn more about our wide range of products please contact us on **0800 690 6867** or visit our website.

About MobileVMS

Established in 2009, Mobile VMS provides digitally integrated traffic monitoring, control, and information solutions across the UK road network.

We're best known for our industry-leading VMS fleet but we're more than that. We deliver smart, energy-efficient solutions that help our clients manage traffic, improve safety, and communicate clearly with road users.

AT THE HEART OF EVERYTHING WE DO ARE FOUR GUIDING PILARS:



CUSTOMER



INNOVATION



COLLABORATION



SUSTAINABILITY

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 **MobileVMS**
ENHANCED WORK ZONES