

RoadPod[®] VM

Real-time, non-intrusive traffic counter

PRELIMINARY. PATENTS APPLIED FOR OR GRANTED.

Traffic data in real time

The RoadPod[®] VM magnetometers are small, unobtrusive and off-grid vehicle counters that provide real-time data on traffic movements.

RoadPod VMs work in an array to accurately count vehicles, monitor speeds and classify vehicle type based on the length of each passing vehicle. Gap and headway information is also available and all data is precisely time-stamped.



The RoadPod VM Gateway is solar charged & sits in a waterproof cabinet by the roadside, transmitting raw data to the Cloud.

Data securely transmitted to the Cloud

Each sensor captures time-stamped vehicle information independently, transmitting it to a central gateway which combines the information and securely sends the raw data to the Cloud.

Extremely fast sensor installation

The RoadPod VM was designed to be the simplest and fastest traffic sensor to install on sealed roads. Simply apply a specialised adhesive pad to the road surface, heat and place the RoadPod VM on top.

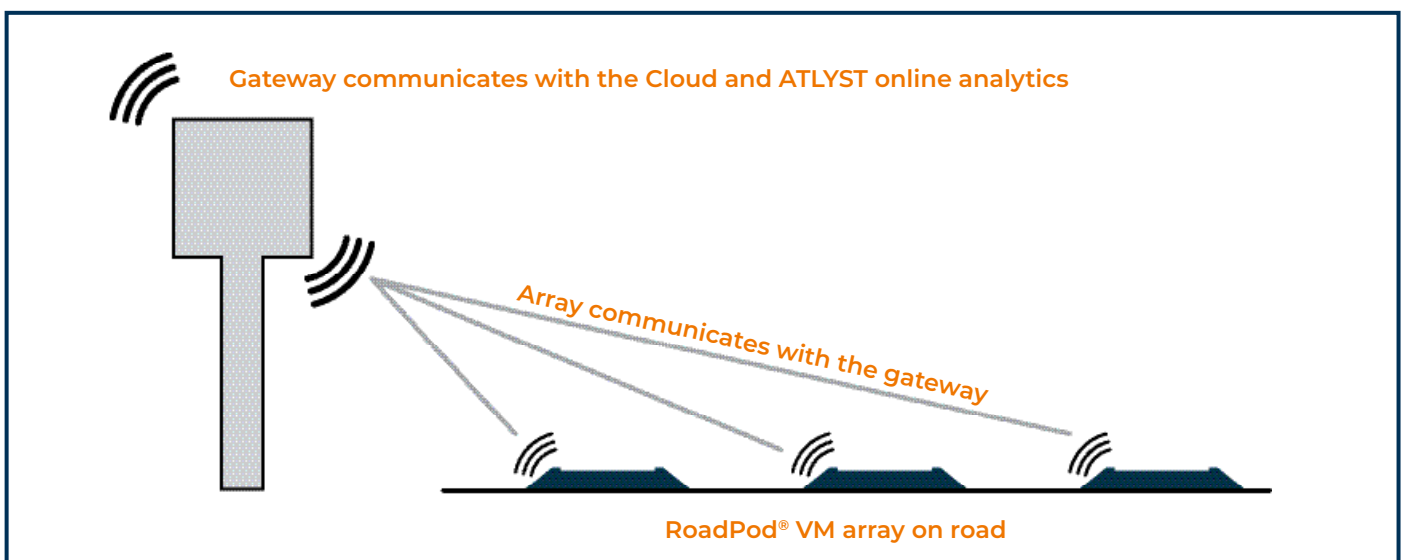
This method allows installation to occur quickly, with little to no traffic management or cutting/ grinding of the road surface and ensures longevity of each RoadPod VM on the road.



Installation is quick and easy. Taking the time to position the magnetometers in a precise array ensures optimum data quality.

100% off grid. Solar powered.

The RoadPod VM system operates independently of mains power. Each sensor is powered by a discreet, in-built solar panel and internal battery. Likewise, the central gateway runs off solar energy.





Automated data validation and analysis

MetroCount’s online data analytics tool, ATLYST®, receives raw data from the RoadPod VM gateway in real time, validates it and displays traffic summaries on an interactive map.

Summaries include average daily traffic volumes, peak hours, 85th percentile speeds, class & more.

Choose to generate PDF reports, download GIS compatible CSV files or share with stakeholders using ATLYST®’s online dashboard.



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