



CompassCom Is Sharing The Benefits of Vehicle Locator System Technology For Public Works

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CompassCom, a company providing fleet tracking and management solutions, is espousing the benefits of automatic vehicle location solutions.

Companies that manage fleets of vehicles can use automatic vehicle location (AVL) to improve efficiency, ROI, and task effectiveness. It is by no means new technology and certain large-scale public works organizations have been using it for more than a decade. The technology allows organizations to create a seamlessly monitored fleet that can be optimized based on changing business and consumer demands.

The technology has, however, been out of reach of smaller public works organizations due to the sizeable investment required to set it up. The continuous monitoring of the final system also needs considerable resources, along with technical expertise to mold the tools to better serve the organization's core objectives.

The introduction of web-based AVL solutions gives companies that were once unable to afford such systems a chance to implement the technology and reap its benefits. Smaller organizations can now use web-based GPS and AVL systems to deploy and monitor their assets 24 hours a day, 7 days a week, with pinpoint

accuracy from any connected personal computing device. A group of authorized users can be given access to business-critical data that can be stored and analyzed to find potential optimizations that can save significant amounts of money for the company or enable a company to serve its customers better.

The technology is now well within the grasp of even smaller cash-strapped municipalities, giving them the tools to better utilize their humble resources. The technology can be used for a wide range of public works vehicles such as repair trucks, snowplows, garbage trucks, and more.

The software used by AVL systems is meant to be flexible enough to run on existing IT infrastructure. Since web technologies are ubiquitous, over-the-shelf consumer hardware can be used to run the software that monitors the fleet. Beyond ease of use and setup, the final data recorded by the software can be archived and then pored over meticulously by either trained analysts or using advancements in computing such as machine learning to create a clear picture of the company's assets and how they are being used.

AVL systems capture crucial data such as vehicle speed, direction, and location in real-time. This gives administrators the ability to track each and every resource and quantify its performance using metrics that were hitherto impossible to capture. Fleet managers can make sure that each vehicle is where it is supposed to be and at the time it is supposed to be there. Once the data has been collected, it can be used to find more direct and efficient routes that decrease fuel consumption and reduce the amount of time that the vehicles are on the road. The efficiency gains possible due to access to such a wealth of information translate directly to increased profits.

AVL systems also increase safety and accountability for the whole company. Reckless drivers, drivers that persistently lag behind on their designated schedule, drivers that take shortcuts and don't stick to the predefined routes, can all be flagged and appropriate disciplinary actions can be taken.

Risk management is another area where GPS and AVL systems shine and prove their true utility as they ease the organization's reporting requirements in the event of an accident or dispute. Data from an AVL system that is continuously monitoring vehicles can be used to record evidence for claims, removing the burden of documentation that would, in normal cases, fall on the driver. This also gives companies a leg up in adherence to local laws as well as self-imposed standards of service and operating policies.

Compasscom asset tracking CityWorks Asset Management connections are available off-the-shelf, allowing organizations to pick and choose the components that are designed for their existing applications. Other similar output connectors exist for many more such established software including Esri GeoEvent, Motorola P1 CAD, TAIP, and NEMA.

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CompassCom fleet tracking and management solutions provide the visualization, reporting and data analytics that enable your organization to improve safety, efficiency, accountability, and sustainability.

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