

Tracking, Mapping, and Analysis of Operational Assets

Presenter

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This presentation will focus on the tracking, mapping, and analysis of operational assets used at transportation agencies (trucks, pavement striping equipment, snow plows, etc.). These capabilities have never been more accessible and affordable than they are today. Additionally, the ability to integrate the many aspects of information about the items being tracked, with the depth of map data available, provides managers with more information for making critical decisions.

The IRRIS system is a combination of hardware and software technologies that is used for the tracking, mapping, and analysis of operational assets, and is based on a model of Management by Exception. Simply put, assets are entered into the system with a profile of how they should be functioning in a normal environment. Instead of key personnel watching thousands of normally functioning assets as symbols on a map, this system enables them to focus on the assets that are not performing as profiled. This method allows for real-time decisions making with the most up-to-date information available from less dynamic databases (i.e. information about the vehicle, when it was commissioned, maintenance records) to the highly dynamic events that are available from field sensors/observers (i.e. weather, road conditions, agency alerts).

The breadth of tracking hardware and software technologies now available enables agencies to manage their fleets and maximize asset potential, employee/public safety, and customer satisfaction as never before. This presentation will describe the benefits being realized by agencies using IRRIS for asset tracking.