

CONNECTED TRANSPORTATION

SMARTER FLEET MANAGEMENT

ON-BOARD CONNECTIVITY AND CONNECTED VEHICLES ARE MAKING SMART FLEET MANAGEMENT A REALITY. LOCAL GOVERNMENTS AND SCHOOLS ARE IMPLEMENTING THE FOLLOWING USE CASES TO IMPROVE FLEET SAFETY AND COMPLIANCE, REDUCE VEHICLE DOWNTIME, AND DRIVE DOWN OPERATIONAL AND CAPITAL EXPENSES.

PREVENTATIVE MAINTENANCE

Preventative maintenance is crucial to managing a healthy fleet. When missed, vehicles see miles of wear and tear. By receiving the right information at the right time through sensors and alarm management, it's easy to schedule corrective maintenance and prevent unexpected equipment failures. By knowing precisely which piece of vehicle equipment needs maintenance, fleet operators can better plan for parts and resources.

The reduction of early or unnecessary maintenance through real-time data has been shown to cut maintenance costs in half. A preventative maintenance solution allows operators to chart maintenance and repair frequency, track lifecycle costs, and easily analyze vehicle data over time. Operators gain improved fleet efficiency, health, longevity and performance.

ROUTE OPTIMIZATION

The benefits from GPS-based, real-time data feeds taken across an entire fleet are numerous. Dynamically linked maps, schedules and asset views provide information on key indicators such as capacity usage, time to service stops, customer time window violations, alternate available resources and route profitability. A route optimization solution can improve driver efficiency by giving them a single-pain-of-glass view into traffic conditions, time to destination and vehicle performance (e.g. engine temperature).

Customers benefit from route optimization as well. Mobile applications can provide real-time updates on delays, improving customers' ability to adapt their schedules with regards to the delivery of passengers or products. Automated post-delivery service surveys provide even more opportunity for customer engagement and retention.

Driver and fleet management workflows can be integrated to continually improve the day-to-day satisfaction of drivers and customers as well as the overall delivery experience.

ANALYTICS

Edge-based analytics provide fleet managers real-time visibility into driver behavior, vehicle usage, maintenance and fuel costs. When this data is correlated and predictive models are applied, managers can make proactive decisions about their fleets.

Insights from correlated data yield efficiencies, such as standardizing on a certain vehicle model or type, and making more informed decisions about corridor traffic and usage. Using data to drive their decisions, operators can cut capital and operational costs.

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