

## Transportation & Fleet Management



Competitive market forces, and rising fuel, insurance and maintenance costs, in addition to heightened safety and environmental concerns are compelling public and private organizations to ensure their mobile assets deliver the greatest return on investment and remain in full compliance with changing regulations.

The Applus Vehicle Information Platform (VIP) solution turns vehicle operation and maintenance data into a real-world tool for reducing equipment operational costs, lowering fuel consumption, reducing maintenance costs and downtime, improving driver safety, tracking mobile assets and streamlining compliance and reporting. The Applus VIP solution integrates three primary components: modular trackers, state-of-the-art control centers and a best-in-industry business intelligence platform. A built-in GPS functionality enables asset managers to automate the process of resource allocation and workload balancing. Live tracking and mapping increases routing efficiencies, helps limit or eliminate unnecessary travel and reduces fuel consumption. The Applus VIP solution allows customers to establish geo-fences and time-of-day monitors that will detect improper or unauthorized usage or theft. A key benefit to Applus clients is the ability to be more responsive and effective in serving their own clients with timelier routing of mobile assets.

Applus engineered on-board diagnostics is an easily installed module that can capture and remotely transmit vehicle and driving data. Data on vehicles and/or equipment such as location, fuel consumption, driver behavior and maintenance status can be analyzed and the results used to optimize scheduling, reduce costs and better manage employees. Applus leadership in automotive diagnostics, customized system solutions and machine-to-machine communications strengthen an organization's ability to adapt to

market forces as business, competitive and environmental factors continue to evolve. In addition, the business intelligence provided by these customized, tightly integrated platforms helps ensure—and document —continual regulatory compliance.

Monitoring vehicle diagnostic and fault codes can automate maintenance scheduling that, in turn, increases fuel efficiency and prevents costly breakdowns. Customers can design maintenance schedules per vehicle or asset-based on such factors as mileage, hours of use and fuel consumption. As pre-set limits or thresholds are approached, managers can proactively notify operators and schedule timely maintenance and/or repairs. In addition to maintenance issues, the Applus vehicle information platform allows you to monitor and manage a number of factors that determine fuel efficiency, including idling time, start and stop times and location of idling. This information allows managers to analyze historical data and averages and identify issues and implement corrective measures. Policies and procedures, for example, to reduce idle time, enforce smart driving habits and minimize unauthorized after-hours use will improve fuel efficiency. In addition, integrating the data on real-time asset location and fuel purchase time and location allows managers to easily detect fraudulent fuel expenses.

Applus physical security solutions play a major role in helping public transportation systems maintain a safe environment for passengers and staff. Video surveillance can reduce vandalism at stations and on buses, subways and vehicles, and consequently reduce the funds necessary to remove graffiti and refurbish structures and vehicles. Our high definition, full-featured surveillance systems not only monitor what's happening, they help discourage and prevent vandalism and crime. Importantly, surveillance systems also serve as early-warning systems: identifying suspicious behavior and exposing potential threats. Similarly, the camera components in the Applus Drivewatch® solution can be used to better secure the safety of both commercial taxi operators and their passengers.