TDS^{TM} Overview

Saucon TDS manages the unplugged workforce by providing visibility and transparency into the activities of all resources and assets. Establishing a wireless bond with your workforce extends the productivity enhancements beyond the bounds of the traditionally wired-world.
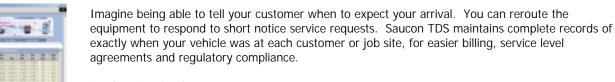
Telemetry on every mobile asset in your fleet can be gathered by an on board computer, which receives positioning signals from GPS satellites, engine data directly from the engine, and other environmental data via sensors. This information is transmitted from the vehicle over a wireless network to the Saucon data center were it is securely stored. Access to this information is provided through a secure online web portal, which can be customized to your specific needs. It's automatic, fast, reliable and inexpensive.

With minute-by-minute activities of your entire fleet saved in the database, displayable in a map and available as reports you have the complete picture you need for a variety of activities including, customer service, operators performance review, route compliance, dispatch, and maintenance. Saucon TDS incorporates today's most effective web, wireless, and telemetry technologies into a structured tool that allows considerably more value than simple data collection.

The dramatic cost reduction in both the hardware and network charges has resulted in a low cost of entry. Leasing options and a web based architecture means TDS can easily scale from a few vehicles on a trial basis to an enterprise wide deployment.

Customer Service

Imagine being able to tell your customer when to expect your arrival. You can reroute the equipment to respond to short notice service requests. Saucon TDS maintains complete records of exactly when your vehicle was at each customer or job site, for easier billing, service level agreements and regulatory compliance.

Engine Monitoring

Saucon's engine monitoring provides tools required for expert analysis of engine operational data improving proactive management of engine health. Through detailed analysis of your engine data, we help you achieve superior reliability and control engine maintenance costs. Saucon receives your j1708 and j1939 engine performance data automatically. Access to your data is provided through a secure online web portal, which can be customized to your specific needs. Benefits of active engine monitoring include:

- Reduced shop visits and costs
- Reduced catastrophic failure
- Improved operator analysis
- Enhanced preventative maintenance programs driven from engine hours, mileage and fuel burned
- Automated data gathering and analysis

Saucon eDispatch

E-Dispatch is a resource tracking module that provides effective scheduling, mapping, dispatching, and tracking of resources for field support operations. Fully web-based, eDispatch defines specific resources and associate those resources to specific routes. Features include:

- Skills/Resource based work assignment
- Wireless dispatch and confirmation
- Monitor pending and in progress service requests
- Resource Utilization tracking and reporting

Route Optimization

The Saucon route control solutions optimize your traffic flow for performance and cost across your business. You avoid middle-mile congestion, assure business continuity and by assigning traffic to less expensive or most profitable paths while maintaining pre-set levels of performance. You also save management time by automating a number of multi-homing processes and being able to pinpoint problems and validate whether they chronic or transient. Logistics costs can be reduced 10%-15% by fleet consolidation, monitoring equipment usage and preventing route deviation via alert based monitoring.

Business Rules

Saucon TDS can be fully customized by the Saucon team using the web based business rules interface.   These business rules can be wirelessly distributed to individual equipment.

Events and Alarms

TDS automatically generates alarms when problem events occur. The Saucon TDS web portal allows end users to easily configure notifications, allowing the TDS alarms to be delivered and escalated in many ways including via pagers, mobile phones, and e-mail. Alarms can be sent to individuals or groups, and can escalate issues to different people at scheduled times. Users can set up redundant methods of notification, scheduled checking, dependencies and blackout periods.

Integration

Saucon TDS transforms workforce and mobile assets into service platforms to achieve increased workforce productivity and streamlined operations. Built on a web-architecture, Saucon TDS provides the most scalable and reliable platform for field service organizations of any size. Recognizing the need of today's extended enterprise to communicate and collaborate with other systems, business partners and the customer, Saucon TDS leverages open and scalable web services including XML and SOAP to provide integration points.

Reports

Saucon TDS provides many standard reports including:
- Engine hours
- Run time / Idle Time
- Safety Violation Report (Speed / Hard Stops / Hard Turns)
- Stop Report
- Arrival and Departures
- Engine Analysis
- Route Deviation
- IFTA reports
- Dashboards

Benefits

Saucon TDS clients leverage the solution to:
- Optimize worker and fleet utilization
- Increase security
- Integrate data for automated back-office business processes & visibility
- Improve customer satisfaction with accurate, real-time data
- Manage operator and vehicle performance and maintenance
- Reduce maintenance costs
- Decrease down time
- Reduce Insurance Costs
- Reduce overtime