![Qlik Q logo]

Qlik® for supply chain: fleet management

Improve utilization and decrease cost

Challenge

Owning, operating, or outsourcing a fleet is a requirement for many industries including transportation and logistics, services, utilities, retail, wholesale distribution, and government. Vehicles, buses, planes, vessels, or rail cars must be purchased or leased, and properly maintained to avoid downtime and repairs. Labor must be hired and trained to operate the fleet in a safe and efficient manner to deliver the raw materials, finished goods, or passengers to the desired location in the appropriate time window. Regulations must be followed to ensure the fleet is compliant with local emissions standards as well as safety regulations.

While fleet management focuses on maximizing the capital investment in a fleet through increased efficiency and capacity utilization, there are more dimensions to consider. Fuel prices fluctuate and many different techniques can be used to hedge against volatile fuel prices. Electric powered engines can cut down on fuel consumption but require a revamping of the fleet which can be costly. Finally, the fleet can be outfitted with sensors to provide near real time status on the condition and location of the fleet and the cargo the fleet is carrying via sensors.

Solution

Qlik and the partner community have built a number of 'Apps' to address and demonstrate capabilities related to this supply chain solution area.

Qlik for Fleet Management apps empower individuals and groups to make faster and better informed decisions by allowing them to:

- Access timely, accurate and consistent data from multiple sources to understand and manage both fleet capacity and utilization to maximize profitability
- Ensure preventative maintenance is regularly scheduled and implemented to avoid costly repairs
- Benchmark fuel prices against 3rd party syndicated data to get ahead of spikes in the market and remove cost from operating a fleet
- Enhance driver safety and utilization by monitoring scheduling and ensuring appropriate driver training has been delivered
- Improve capacity utilization and decrease idle time to maximize profitability
- Ensure environmental and government regulations are enforced throughout the fleet to avoid costly fines
- Track the fleet and the cargo the fleet is carrying through sensors in near real-time for both internal analytics and customer facing analytics
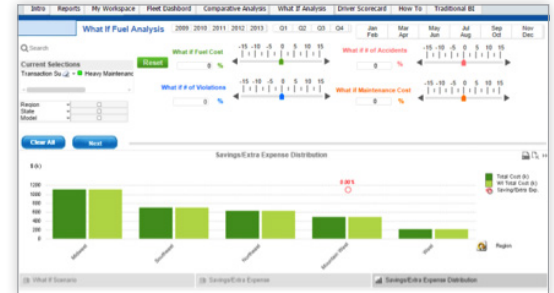- Leverage secure mobile access to stay fully informed and make decisions on-the-go

Example: A self-service fleet management dashboard for determining the on time performance and overall profitability of the fleet.

> " Aviation is all about cost savings. Our customers contractually demand regular insight into cost, malfunctions and percentages for usage and failure. Before Qlik, answering ad hoc questions would take between one and two weeks. Now, they are answered within one hour. "
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> — Ad Demmers, *Fleet Manager, KLM Equipment Services*

Customer Examples

- DB Schenker – improved on time delivery rates and removed cost in the supply chain by improving capacity utilization with Qlik

- A Global 3rd Party Logistics Firm - leverages Qlik to manage logistics expenses around fuel consumption and route optimization to better manage the costs within their supply network

- KLM Equipment Services – manages fleet usage and downtime percentages with Qlik removing cost and improving availability

Example: A fleet management dashboard including a what-If analysis of fuel costs, maintenance costs, driving violations, and accidents across the fleet.