



Qlik® for supply chain: transportation, storage, and logistics

Increasing visibility and efficiency to maximize logistics performance, ensure safety, and minimize environmental impact

Challenge

Providing storage and transportation for goods involves managing both assets and information, and can account for more than 30% of the cost of goods produced in some industries. As supply chains become more global, the shipment of goods and material can span continents and oceans. Logistics management must consider complex transportation modes including truck, rail, boat, and pipeline.

Transportation and logistics covers the inbound and outbound movement of goods from one location or facility to another – or between suppliers and customers. It is a complex activity that increasingly crosses country borders and requires careful management to control costs and achieve on-time delivery. Logistics management focuses on making all movement safe and efficient.

Transportation management focuses on selecting carriers or transportation methods to increase efficiency and capacity utilization. International trading requires the creation and management of paperwork to move materials and finished goods between country borders.

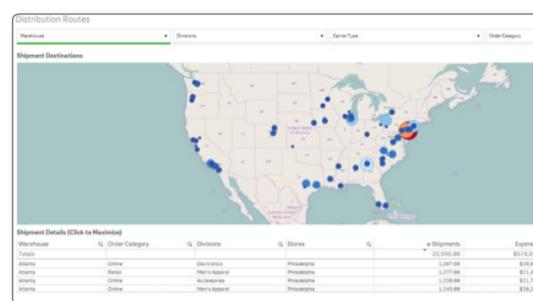
Bulk transportation and storage of potentially hazardous material introduces a unique set of capacity, inventory, maintenance and regulatory tracking requirements. The inherent health, safety and environmental risks also need to be carefully monitored, often with onerous legislation requiring formal reporting and appropriate interventions planned as the risk profile changes.

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 Transportation, Storage, and Logistics 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 performance

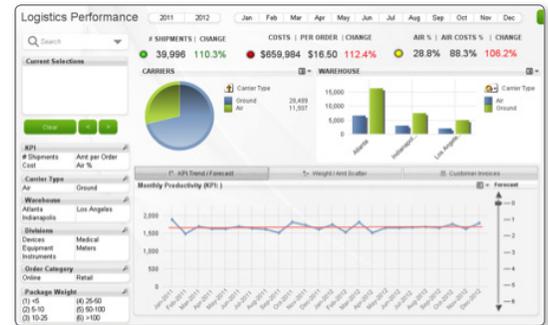


Example: A distribution route optimization self-service dashboard across carrier types, order categories, warehouses, and divisions

“ 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. ”

— Ad Demmers, Fleet Manager, KLM Equipment Services

- Provide comprehensive insight into costs, inventory and bottlenecks, enabling management decisions and action to drive efficiency
- Gain visibility of transport constraints with the ability to analyze large volumes of data including transport mode, warehouses and storage facilities, route planning, equipment condition, vehicle load and related issues
- Monitor contract, mode, and delivery service level compliance
- Minimize premium freight cost through better planning and visibility
- Visualize how efficiently the total capacity potential is being used to understand the scope for performance improvement at current capacity
- Monitor any health, safety and environmental incidents and associate with corrective work orders to reduce risk and drive effective mitigation efforts
- Improve planning and execution of repairs and maintenance through greater visibility of supply chain resources, allowing better scheduling, reducing outages



Example: A single dashboard view of transportation and logistics performance across the end-to-end supply chain.

Customer examples

- BBS Food – uses Qlik® to manage complex distribution and delivery incorporating tracking and tracing which is critical to their industry. “The market wants transparent information on our entire production process, from purchasing to marinating and from cooking to packaging.” Jaap Brokking, General Manager of BBS Food
- Global Food Manufacturer – uses Qlik to reduce transportation costs and improve matching warehouse staffing levels with need
- US-based International Retailer – solved problems understanding and analyzing merchandise transportation (air and/or sea) with Qlik. Identifies opportunities that drive efficiency and improve availability
- International fashion business – uses Qlik to support end-to-end monitoring and analysis of key transportation and logistics statistics as well as tax, tariff and customs for cross border movements
- Multinational Consumer Goods Manufacturer – optimizes their shipments by using Qlik to analyze order history and patterns to optimize palletization and reduce delivery costs
- 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