



Qlik® for supply chain: warehousing and distribution

Increasing visibility, efficiency, and customer service

Challenge

Warehousing and distribution processes require the management of assets, people, and data to ensure products and partially finished products are available for assembly to customer order where and when required.

Holding inventory is a major cost, made worse by out-of-stock situations or if goods are in the wrong location within your supply chain. Running a warehouse incurs heavy fixed costs and variable costs which accumulate quickly, so managing resources well is important. Utilizing warehouse resources efficiently is key to a low-cost storage operation. Warehouse management uses and generates a large volume of data about movements and condition of goods. Many logistics companies own considerable assets and in some cases their business model includes making such resources available to others.

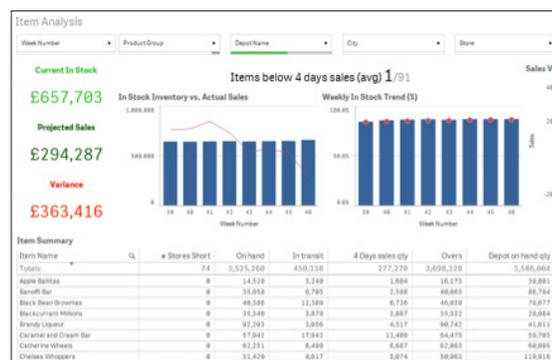
Ensuring warehouses and distribution centers have the inventory they need at all times to fulfill demand quickly is critical in order to compete in today's highly competitive market. Visibility into processes and information on the root cause of disruption is key to catering to different product, customer, and market needs.

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 Warehousing and Distribution 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
- Visualize how efficiently the total available storage potential is being used to understand the scope for performance improvement at current inventory levels
- Analyze warehouse and transportation fulfillment of orders and provide or suggest resolutions to meet delivery performance agreements
- Give visibility of warehouse constraints with the ability to analyze large volumes of data across related functional areas
- Monitor and manage key aspects of Warehouse and Distribution Center Operations including the, pick, pack, pack, and ship of merchandise flowing in and out of the distribution center.



Example: A self-service dashboard view of on hand inventory in the distribution center.

“ Qlik helped increase fulfillment accuracy by being able to monitor productivity in real-time, and reduced inventory discrepancies by quickly identifying locations of concern. ”

— VP of IT, Global Apparel Retailer

Customer examples

- A Global Apparel Retailer - uses Qlik® to manage warehouse operations providing visibility across disparate systems, tying together items coming into a warehouse on a trailer to orders which need to be processed and eventually shipped out of the warehouse.
- A U.S. Based Apparel Retailer - uses Qlik to manage the pick, pack, and ship process within the distribution center to achieve maximum throughput, as well as manage contract labor necessary to keep the distribution center operating profitably
- A Large North American Grocery Chain – uses Qlik to improve warehouse throughput and manage labor in the warehouse in an efficient and cost effective manner

The screenshot shows a Qlik dashboard titled 'Inventory Detail'. It features a navigation menu on the left with options like 'Price List Year', 'Warehouse', 'Price List Year', and 'Price List Set'. The main area displays a table of inventory levels for various products, categorized by 'Model Level Details', 'Color Level Details', and 'Size Level Details'. The table includes columns for 'Prod. #', 'Product Name', and inventory counts for different time periods (e.g., 25-Nov-10, 05-Dec-10, 12-Dec-10, 19-Dec-10, 26-Dec-10, 02-Jan-11). The table is color-coded, with red indicating low inventory and green indicating higher inventory. Below the table, there are sections for 'Model Name' and 'Warehouse'.

Prod. #	Product Name	25-Nov-10	05-Dec-10	12-Dec-10	19-Dec-10	26-Dec-10	02-Jan-11
1002	Dakota CL Shirt Men's	1	1	1	1	1	1
1000	Ankings Hooded Sh...	0	0	0	0	0	0
1074	Ayanna Line T-shirt	0	0	0	0	0	0
1024	Batwing LT Pant M...	1	1	1	1	1	1
1027	Dakota Short LS Men's	5	5	5	5	5	5
1007	Dakota CL Olive W...	6	6	6	6	6	6
1070	Anakids Taps T-Shirt	4	4	4	4	4	4
1030	Anakids Hooded Men's	2	2	2	2	2	2
1006	Drinking BT Jacket	1	1	1	1	1	1
1020	Johns Pigeon Deni...	3	3	3	3	3	3
1046	Quince T-shirt	7	7	7	7	7	7
1002	Quince Hooded Sh...	2	2	2	2	2	2
1006	Quince RL Hood...	4	4	4	4	4	4
1019	Packhouse Jacket W...	0	12	12	12	12	12
1016	Packhouse Denim M...	1	1	1	1	1	1
1020	Packhouse RL Pant M...	3	3	3	3	3	3
1006	Packhouse RL Men's	10	10	10	10	10	10

Example: A Wholesale Distributor view of inventory across warehouses for the purposes of fulfilling orders and setting customer expectations on availability.