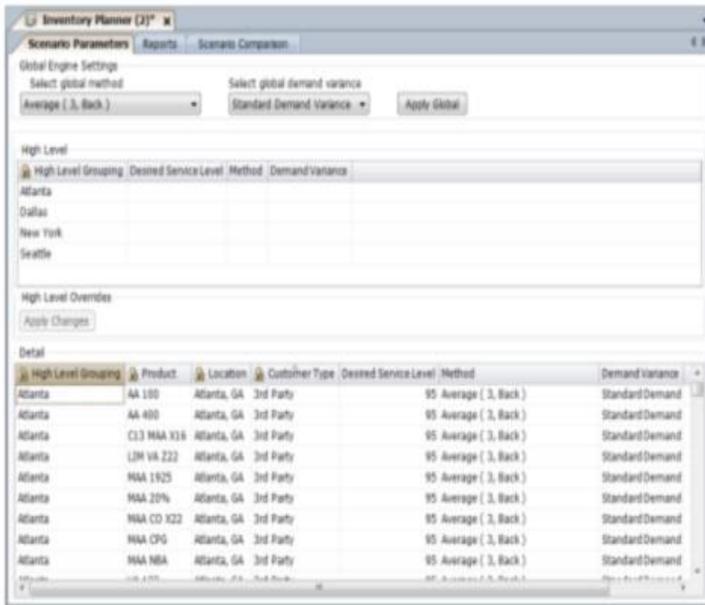


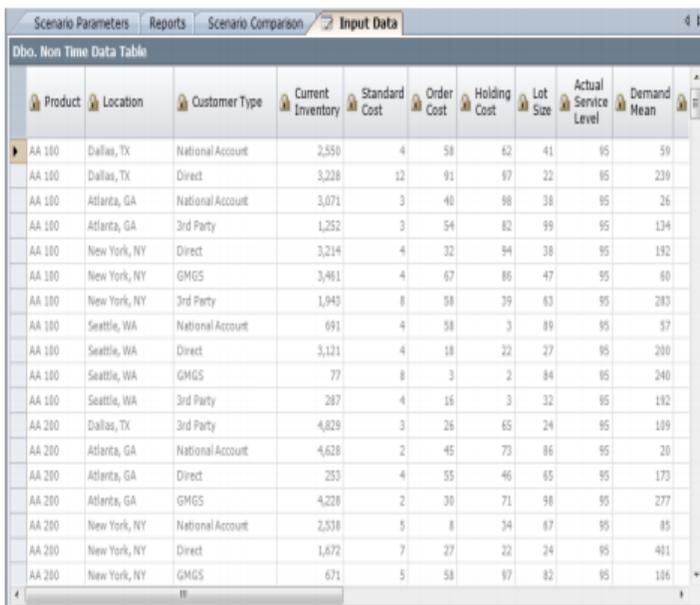
ARKIEVA INVENTORY PLANNER

Arkieva Inventory Planner

One significant benefit of improved supply chain management is reducing inventories across the network. The Arkieva Inventory Planner supports sustained inventory reductions by providing a comprehensive view of how stocks are serving customer demand.



Ability to calculate multiple safety stock scenarios using various methods and parameters, and to mark the desired one "official" for use of other modules



Product	Location	Customer Type	Current Inventory	Standard Cost	Order Cost	Holding Cost	Lot Size	Actual Service Level	Demand Mean
AA 100	Dallas, TX	National Account	2,550	4	58	62	41	95	59
AA 100	Dallas, TX	Direct	3,228	12	91	97	22	95	239
AA 100	Atlanta, GA	National Account	3,071	3	40	98	38	95	26
AA 100	Atlanta, GA	3rd Party	1,252	3	54	82	99	95	134
AA 100	New York, NY	Direct	3,214	4	32	94	38	95	192
AA 100	New York, NY	GMGS	3,461	4	67	86	47	95	60
AA 100	New York, NY	3rd Party	1,943	8	58	39	63	95	283
AA 100	Seattle, WA	National Account	691	4	58	3	89	95	57
AA 100	Seattle, WA	Direct	3,121	4	18	22	27	95	200
AA 100	Seattle, WA	GMGS	77	8	3	2	84	95	240
AA 100	Seattle, WA	3rd Party	287	4	16	3	32	95	192
AA 200	Dallas, TX	3rd Party	4,829	3	26	65	24	95	109
AA 200	Atlanta, GA	National Account	4,628	2	45	73	86	95	20
AA 200	Atlanta, GA	Direct	253	4	93	46	65	95	173
AA 200	Atlanta, GA	GMGS	4,228	2	30	71	98	95	277
AA 200	New York, NY	National Account	2,538	5	8	34	67	95	85
AA 200	New York, NY	Direct	1,672	7	27	22	24	95	491
AA 200	New York, NY	GMGS	671	5	58	97	82	95	106

Arkieva's Inventory Planner allows you to look at inventory levels at any point in the past, as well as at any level of aggregation

Inventory Planner User Benefits

- // Improved visibility of pockets of excess inventory leads to permanent inventory reductions of 10 to 15%
- // Ability to reposition and rebalance inventory to best support customer demand
- // Improved customer service by having the right product in right place at right time

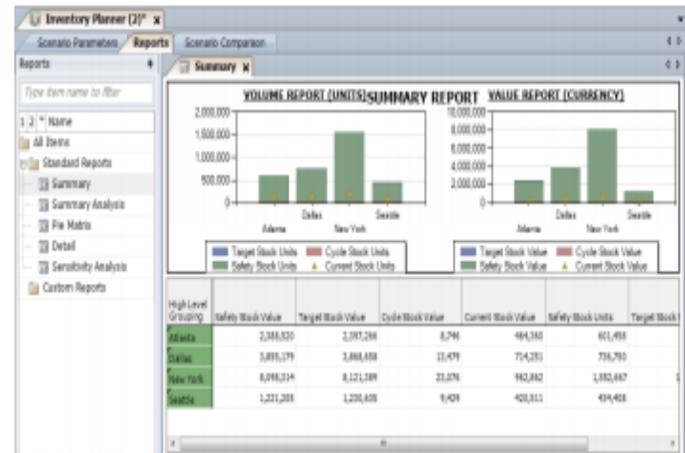
Key Inventory Planner Capabilities

- // Identifies stocking points with inventory balances that are not justified by demand, demand variability, or historical supply needs
- // Calculates optimal safety stock balances at SKU and location level
- // Allows creation of numerous, flexible inventory metrics(e.g., days' supply, inventory velocity, effective service levels, inventory turns)
- // Identifies accumulations of obsolete or off-spec inventories that should be aggressively reduced
- // Provides graphical as well as tabular representation of inventory over time, by aggregation over any product attribute, e.g., by product family, warehouse, inventory type (raw, semi-finished, finished product)
- // Enables batch- or lot-level reporting for aging analysis, remaining shelf-life, etc.
- // Sends automatic alerts when conditions cross user defined thresholds
- // Performs MRP, DRP and CRP calculations

Too Much of This, Too Little of That

Excess inventory takes up valuable space, is expensive to maintain, and may become obsolete or spoiled. Insufficient inventory leads to lost sales and unhappy customers. Most companies have both challenges: too much of the wrong stuff and not enough of the right goods. Knowing where to begin making inventory improvements is not easy; sustaining such improvements may seem impossible.

Arkieva offers the tools and structure necessary to identify inventory issues and to make informed decisions concerning this delicate inventory balancing act. Many Arkieva users report inventory reductions of up to 15%, and simultaneously experience an enhanced ability to satisfy orders with their reduced stock.



Required safety stocks to support different customer service

Safety stock

Demand data is also used to help plan safety stock levels – incorporating demand variability, desired service levels, and lead time information into the overall equation – yielding the ideal safety stock levels, by SKU, across the entire network.

In other words, Arkieva looks at all of the inputs and determines what, where, and how much to stock. And because a system cannot know everything about the state of a business, the safety stock reports and other analysis tools enable planners to explore and adjust service level guidelines – and ultimately safety stock levels – for key products with unique circumstances. Successful businesses allow Arkieva’s sophisticated analysis tools to handle the majority of the decisions so that there is time to focus on the key judgments.

Methods

Arkieva offers a variety of methods to calculate safety stocks. Users can select from a list of methods that contains standard textbook methods as well as commonly used ‘rule of thumb’ based methods. For example users can create multiple scenarios where the parameters can be set to different values; the service level can be changed from the low to high end and the results can be compared as shown in image above. Similarly, users can compare the results from different Safety Stock methods, and the software can calculate re-order points and cycle stock based on user input.

The Big Picture

The Inventory Planner is closely linked with the Demand Planner and the Supply Planner. Reports and warnings identify areas of alignment and areas of potential trouble. Questions such as whether or not the existing inventory supports open orders and to what extent the inventory plan is aligned with the demand plan are easy to answer. And the link goes both ways; current inventory levels are important in the demand planning process and safety stock levels are an important input into the supply planning process. This linkage among the Arkieva modules promotes the alignment of inventory planning with key business goals such as increased sales, reduced costs, and high customer service.



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ABOUT US

Since 1993, Arkieva tools have been used in more than 200 unique applications around the globe, and most of our clients leverage Arkieva software to support collaborative planning teams in North America, Europe, and in Asia.