



Experience the Value of Inventory Planning & Optimization

## A smart solution for your aftermarket service parts and supplies inventory

Aviation parts inventory planning has never been easier:

- Reduce inventory expense
- Increase customer satisfaction & up time
- Improve productivity
- Receive rapid return on investment
- Automatically project future needs without time-consuming manual analysis



“We wanted to replace our time consuming manual planning processes, which used spreadsheets and ad-hoc reports, with an automated forecasting, replenishment planning, and inventory optimization solution,” said Ken Hawk, VP Sales and FBO Services for Western Aircraft. “Our goal is to improve our productivity and fill rates, lower costs, and enhance our customer’s experience with us.”

**VALOGIX® Parts Planner** is designed for businesses that want to manage their parts inventories quickly and efficiently. **VALOGIX** inventory software enables you to forecast, plan, and optimize inventory requirements with confidence and accuracy. Our next - generation planning solutions save you time, reduce costs, and help improve your customer service. Best of all, our solutions are cost-effective, fast, and easy to use.

### Aviation Aftermarket

- maintenance, repair, and overhaul services -

Manage and optimize the availability of key items like:

- auxiliary power units
- thrust reversers
- flight controls
- engine accessories and avionics
- engine monitoring instruments
- voice and data recorders
- smoke detection systems



#### **VALOGIX Parts Planner automatically:**

- Sets the optimum stocking quantity for each part eliminating the need to manually set min/max and reorder points
- Forecasts demand for the next 12 to 36 months
- Issues suggested orders for replenishment to ensure on-hand inventory can meet demand
- Identifies excess and inactive inventory

## How It Works

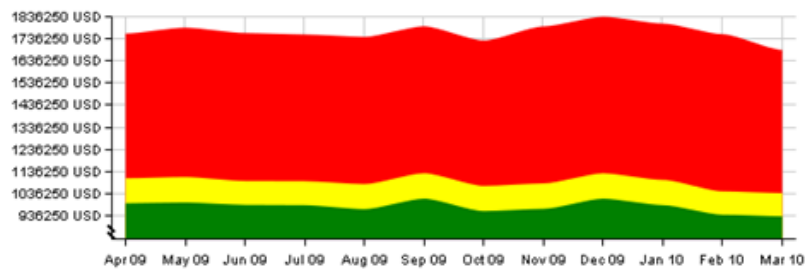
VALOGIX® Parts Planner starts by reviewing the forecast, service requirements, inventory balances, and open orders. Then, using a combination of advanced business rules and service variables it calculates the **Stocking Quantity (SQ)** for each part. A negative *Available Quantity* lets you know your ability to meet projected future demand with current inventory is reduced. The system automatically alerts you of what is needed by part. Reorder information can then be sent to the designated transaction system for processing.

## Inventory Aging Summary

Inventory Aging Summary provides you with fast and reliable information on the status of your inventory. The graph shows Active, Excess, and Obsolete inventory positions. The goal is to reduce Excess and Obsolete while improving the Active inventory mix to meet customer orders. Cash flow projections help to understand your investment decisions.

### SUMMARY

#### FORWARD AGING ANALYSIS



## Planning Groups

The Planning Group capability will enable planners to define groups of item/locations, and then set default parameter values for all items in the group. More importantly, all item/locations in a Planning Group will be reviewed on the same schedule—and will *only appear when scheduled for review*.

This capability allows the planner to insure planning for critical items receives the high attention customers demand. Planning can be done as often as desired. Planning parameters can be set differently for each group for more concise planning.

PLANNING GROUP PROPERTIES	
Property	Value
Planning Group Name	Critical Items
Description	Must Have in stock
Forecast Flag	True
Optimize Flag	True
Plan Flag	True
Review Frequency	SemiMonthly
Day One of Month	1
Day Two of Month	15
Days Of Week	S M T W T F S S
Minimum Planning Horizon	0.0
Planning Group Leadtime	0
Replenishment Method	Months Of Supply
Desired Service Level	99.0
Months Of Supply	2.0
Trend Length	12
Maximum Number of Zero History Months	3
Minimum History For Trend	8

Cancel Next Finish

## Easily review, approve and submit orders

VALOGIX Parts Planner recommends stock levels for all parts. At any time, these levels can be manually edited or adjusted for special conditions. Once the stocking level is approved, a replenishment requisition can be sent directly to the procurement system, purchasing agent or transaction system. This automated replenishment planning takes the guess work out and saves valuable time.

## Part History and Forecast

You can easily access a part's history and forecast for review. It's easy to make a manual change to the forecast. Just change the number in any month and the system will automatically plan for the change you made while retaining the original value for future use if you decide to revert to the system generated forecast. The system will generate a forecast up to 36 months.

## Inventory Investment Analysis

Having a good inventory strategy, part mix and capital investment maximizes your ability to meet future customer demand. One of the key tools the program offers is the ability to compare current inventory investment, part mix and capital investment versus the Valogix Planner recommended inventory investment. The program pin points inconsistencies and exceptions to the business requirements that need attention. This information allows for corrective action to be taken to meet needs while minimizing inventory investment.

**SUMMARY**

	Planning Group(s)	Filtered List	Pending Replenishment	Released for Order	Deferred	Remaining Negative Net
Line Count with Negative Net	64	68	0	3	1	64
Required or Approved Cost	4,886,032.00	10,751,556.00	0.00	28,898.00	28,429.00	4,886,032.00
Total Line Count	240	68	0	3	1	64

**FILTERS**

Display:  Priority Codes:  Net:

Planning Groups:  Location:  Required Quantity:

Item Number:  Item Class:  Stocking Quantity:

Description:  Primary Supplier:  Shortage Ratio:

Unit Cost:  Total Cost:

**SCHEDULED PLANNING**

Item Number	Description	Location	Net Quantity	Required Quantity	Approved Quantity	Action	Supplier	SQ	Shortage Ratio	Rele. Date
P10006	Jamie Oliver 6-pc Cool	02	-0.15	0.15	0.15	Transfer	01	0.15	-1.00	2010
P10006	Jamie Oliver 6-pc Cool	02	-0.15	0.15	0.15	Transfer	01	0.15	-1.00	2010

**HISTORY & FORECAST GRAPH**

Volume vs Months (Jan-Dec) for years 2006, 2007, 2008, 2009, 2010.

**HISTORY**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
2006										0.0	0.0	5.0	5.0
2007	1,042.0	1,010.0	1,027.0	29.0	30.0	159.0	275.0	303.0	432.0	650.0	847.0	940.0	6,744.0
2008	1,019.0	932.0	1,036.0	848.0	930.0	750.0	850.0	945.0	841.0	854.0	943.0	1,033.0	10,981.0
2009	1,055.0	1,016.0	1,030.0	1,854.0	909.0	1,068.0	1,073.0	1,054.0	933.0	1,032.0	1,044.0	943.0	13,011.0
2010	1,336.0	1,521.0	1,047.0	1,225.0	1,271.0	1,335.0	1,283.0	1,260.0	1,308.0	1,438.8			13,024.8

**FORECAST Trend (218.4)**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
2010									1,202.5	1,209.3	2,000.0	1,223.0	5,634.8
2011	1,229.8	1,236.6	1,243.5	1,250.3	1,257.1	1,264.0	1,270.8	1,277.7	1,284.5	1,291.3	1,298.2	1,305.0	15,208.8
2012	1,211.8	1,318.7	1,325.5	1,332.3	1,339.2	1,346.0	1,352.8	1,359.7	1,366.5	1,373.3	1,380.2	1,387.0	16,193.0
2013	1,393.8	1,400.7	1,407.5	1,414.3	1,421.2	1,428.0	1,434.8						9,900.4

**SUMMARY**

	Actual Inventory	Ideal Inventory	Adjusted Ideal Inventory	Count
Valogix SQ	50,847.00	33,948,482.36	33,952,709.02	37
Special Order	0.00	0.00	0.00	0
Min/Max	0.00	0.00	0.00	0
Months Of Supply	0.00	0.00	0.00	0
Total	50,847.00	33,948,482.36	33,952,709.02	37

**FILTERS**

Item Number:  Descriptions:

Location:  Item Class:

Planning Group:

**INVESTMENT ANALYTICS**

Item Number	Description	Location	Planning Group	Item Class	Actual Inventory(USD)	Ideal Inventory(USD)
DR1	Colorado Downriver Racing Kayak	Nashville	Default Planning Group	Downriver Kayak	0.00	0.00
DR1	Colorado Downriver Racing Kayak	Eastern	Default Planning Group	Downriver Kayak	0.00	0.00
DR1	Colorado Downriver Racing Kayak	Central	Default Planning Group	Downriver Kayak	6,252.00	0.00
DR1	Colorado Downriver Racing Kayak	Western	Default Planning Group	Downriver Kayak	0.00	0.00



For over 23 years, the Valogix founders have been innovators in inventory planning and optimization solutions. Valogix is now represented in over 36 countries and offers the solutions in four languages.

### Rapid Return on Investment

Valogix delivers ready to use solutions that are very easy to use, affordable, and provide you with a high rate of return. If you answer yes to any part of the following questions, Valogix can help.

What are your inventory goals and objectives? Do you want to:

- Reduce inventory by 20% or higher?
- Reduce expedited and emergency shipments by 35% or more?
- Improve productivity by reducing planning time by 60% or more?
- Control and reduce replenishment spending by 15% or more?
- Improve customer satisfaction by having the right items available when your customers want them?
- Generate more sales and do cross-selling and up-selling?
- Reduce stockouts on both key items and seasonal items?
- Improve supplier relations?



### The Bottom Line

We know you work hard every day. You may think your inventory is under control, but can you be sure? Each day you are not using Valogix solutions, you are missing out on the opportunity to **free up CASH**. For example, based on an inventory value of \$1,000,000 and an average inventory reduction and productivity gains of approximately 31%, you could free up as much as \$310,000! It doesn't get any easier.

**Call: 518-450-0309 • Email : [salesinfo@valogix.com](mailto:salesinfo@valogix.com) • Web Site: [www.valogix.com](http://www.valogix.com)**

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