

Lighthouse™ SCM Replenishment & Fulfillment Planning

LIGHTHOUSE™ SCM REPLENISHMENT & FULFILLMENT PLANNING

KEY BENEFITS

- Quicker response to market demand
- Timely orders and deliveries
- Complete supply chain visibility
- Improved planner productivity
- Reductions in stock-outs
- Increased customer satisfaction
- Quickly detect stock-outs and outdated inventory
- Match profitability to replenishment requirements

KEY FEATURES

- Leverages end-consumer demand signals and forecasts, enabling companies to create optimal, inventory plans across multi-echelon networks.
- Achieve process integration & flawless execution to minimize stock-outs and excessive costs
- Graphical display with interactive UI
- In-built security features with multiple user profiles

VALUE PROPOSITION

BEST IN CLASS SOLUTION

- Heuristics and Optimizer based pre-built models
- Comprehensive Reporting to alert the users on the actions to be taken to fulfill demand

LOWER TOTAL COST OF OWNERSHIP

- Accelerated deployment through workflow based model
- Pre-built connectors to connect to ERP systems like SAP, Oracle etc.

FASTER ADOPTION & ROI

- Interactive UI and real-time KPI focused reporting tools
- Out-of-the-box decision support capabilities which enable optimal decision making

Stellium's Lighthouse™ Replenishment & Fulfillment Planning solution from its Lighthouse™ SCM suite of products offers very flexible environment for planning replenishments across long, medium and short planning horizons. The Lighthouse™'s enterprise planning solution also includes package on Demand Planning and Production Planning and Manufacturing Scheduling.

Some of the key functionalities of Lighthouse™ Replenishment & Fulfillment Planning are listed here.

MODELS COMPLEX MULTI-ECHELON SUPPLY CHAIN NETWORK

With a highly competitive market, companies are trying to penetrate to all the possible corners across the globe. This makes the end-to-end supply chain network complex for companies with respect to the set-up of their suppliers, plants, distribution centers and customers. Lighthouse™'s Replenishment & Fulfillment Planning module offers the flexibility to model such complex multi-echelon supply chain network with ease and then generate a replenishment plan across the network.

CREATE OPTIMAL INVENTORY ACROSS NETWORK

Excess inventory in the network results in working capital being tied up. It is imperative for any organization to hold the right amount of inventory at the right location to avoid a stock-out situation and reduce costs. Replenishment planning solutions balances end-consumer demand signals and forecasts, inventory on-hand, and in-transit inventory to create planned orders thereby enabling companies to create optimal inventory plans across different echelons of the network. An intuitive graphical user interface enables users to get an understanding of the anomalies in the replenishment plan.



Figure 1: Replenishment Plan represented in a grid and graphical format

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PRODUCT OFFERINGS

- **License** – Customer buys license upfront and System implementation done on premise
- **Subscription** – Solution in subscription mode. No upfront license cost
- **Planning-as-a-service** – Complete Planning process enablement service that includes planning process experts and systems together (typically secure cloud hosting)

TECHNICAL SPECIFICATIONS

- Operating System: Windows Server 2012, Windows 8,7
- Database: SQL Server 2008,2012, Oracle, DB2, MS SQL
- IIS 6.X Webserver
- .NET Version 4.0

CONFIGURATION OF MULTIPLE REPLENISHMENT RULES

Replenishment & Fulfillment planning engine is a heuristic based engine and offers the flexibility of configuring multiple rules for replenishment. Parameters such as safety stock in quantity or time, maximum coverage in quantity or time, lot sizes, lead time etc. are easily configurable at the item-location level of the supply hierarchy.

Replenishment Planner manages inventory shortages using balanced allocation logic which ensures stock locations share any projected service issues.

COMPREHENSIVE REPORTS AND ACTION MESSAGES

Replenishment & Fulfillment Planning provides comprehensive reports on planned orders generated by the replenishment engine. Reports indicating what percentage of safety stock is getting consumed for satisfying the demand are also available for the end user. Besides these, custom reports can also be created by the user.

Replenishment & Fulfillment Planning has a set of pre-configured Action Messages. These Action Messages are an indicator to the user to act upon them. Action Messages like Release Planned Orders, Projected Inventory below Safety Stock Actions, Cancel Orders etc. would give a summarized view of such item location for which these actions need to be taken.

Contact Us

For more information about Lighthouse™ Suite, visit www.stelliuminc.com or write to us at lighthousescm@stelliuminc.com.

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