

LighthouseTM SCM Production Planning and Scheduling

KEY BENEFITS

- Improved production plan considering both material and capacity constraints
- Reduced inventory costs
- Eliminate redundant and obsolete inventory across the supply chain
- Improved ROI on production capacity
- Increase gross margins
- Proactively identify risks and opportunities
- Improve service levels and due date delivery performance
- Decrease or eliminate expediting costs

KEY FEATURES

- Constraint based planning of material and capacity
- Capacity Constrained MRP Functionality
- Exception Handling and Interactive scheduling for incorporating planner decision
- JIT Production scheduling to minimize inventory
- What if evaluation for new orders in the frozen period
- Automated workflows and Alerts
- Out of box Reporting

VALUE PROPOSITION

BEST IN CLASS SOLUTION

- Integrated Planning for All Horizons- Short, Medium and Long terms (Frozen, Flexible, Forecast Horizons)
- Agility and Flexibility through dynamic planning
- Enables constraint based Planning of resources, items

LOWEST TOTAL COST OF OWNERSHIP

- Accelerated deployment through workflow based model
- Pre-built connectors to connect to major ERP systems like SAP, Oracle etc
- Choice of **24/7 performance monitoring** and support

FASTER ADOPTION & ROI

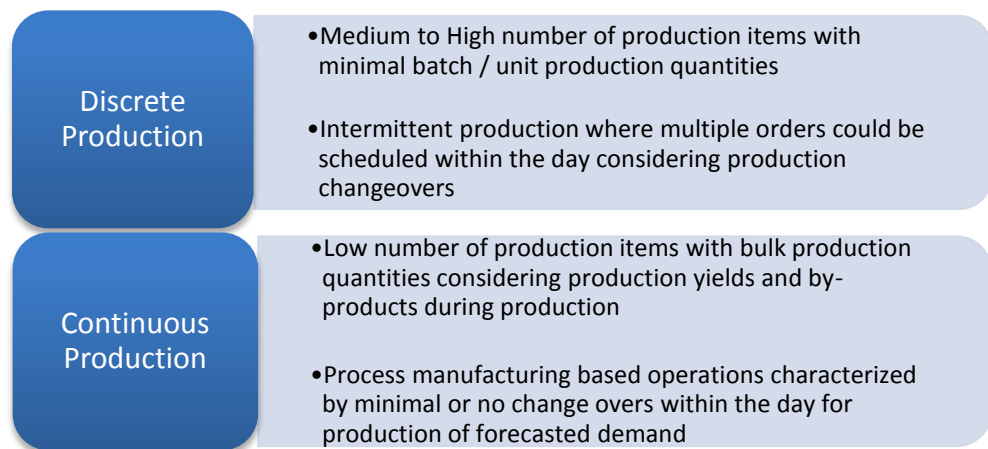
- Interactive UI and real-time KPI focused reporting tools
- Out-of-the-box decision support capabilities for optimal decision making

LIGHTHOUSETM SCM - PRODUCTION PLANNING AND SCHEDULING SOLUTION

Stellium's **Production Planning and Scheduling** solution from its Lighthouse suite of products offers **robust modeling** capability to model different production systems. Planning module generates **balanced production plan** considering **material and capacity constraints**. Production scheduling module generates schedules that **minimizes WIP** and **improves resource utilization**.

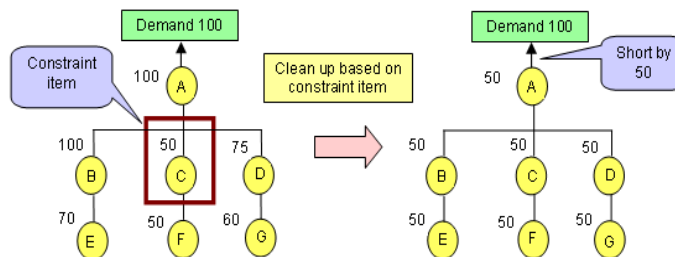
PRODUCTION PLANNING SOLUTION FOR ALL PRODUCTION SYSTEMS

Solution offers various supply and demand modeling features to plan both discrete and continuous production systems.



BALANCED PRODUCTION PLAN

Balanced production plan can be generated based on bottleneck resource capacity or material shortages at any level in the bill of material.



PRODUCTION PLAN ACROSS PLANNING HORIZON

Planning horizon and planning bucket can be defined as per organization's planning cycle of short, medium and long term planning horizon. Short and Medium horizon could be used for production scheduling, material supply trigger to suppliers and forecast. Long horizon plan could be used for forecast as well as business planning. Supply demand pegging can also be locked in planning module in the short horizon.

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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

PROCUREMENT PLANNING

Consideration of primary / alternate items, primary / alternate suppliers, lead times, supply quota, consolidation horizon and lot sizes for generation of procurement plan; Automatic trigger of procurement order based on safety stock definition. Hence Procurement Plan from LighthouseTM can be used as capacity constrained MRP.

CAPACITY PLANNING

Capacity Calendars can be maintained at resource level as well as at Factory level for capacity planning.

INTEGRATED MATERIAL AND CAPACITY PLANNING SOLUTION

Finite capacity planning considers both material availability date and capacity availability date and assigns orders to planning buckets. Generation of work orders after demand quantity netting with inventory and pegging of procurement orders to planned work orders.

PRODUCTION SCHEDULING SOLUTION

Schedules can be generated as JIT schedules which schedules orders at latest possible start time to fulfill orders before due date. Schedules can also be generated to minimize idle time between orders and thereby enhancing resource utilization. System is flexible to consider set-ups in both working hours and non-working hours. Order scheduling sequence generation considering set-up sequence is possible via Sequence dependent set-up time functionality.

PLANNER FEATURES

BoM Visualization via BoM Diagram	<ul style="list-style-type: none"> • End to End visibility of finished items ,semi finished items and raw materials • Drag and Drop function for BoM definition and modification
Exceptions Summary & Alert Configurations	<ul style="list-style-type: none"> • Problem Summaries of sales order, work orders, procurement orders • Order/ Material/ Capacity Alerts can be configured
Production Plan Reports	<ul style="list-style-type: none"> • Material, Capacity, Order, Inventory reports are available
What-if Analysis	<ul style="list-style-type: none"> • Enables evaluation of various planning scenarios for changes in supply / demand

Contact Us

For more information about LighthouseTM Suite, visit www.stelliuminc.com or write to us at lighthousecm@stelliuminc.com.

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