KEY BENEFITS

- Improve demand forecast accuracy
- Improve customer service levels and reduce inventory costs by optimizing inventory across the network
- Improved ROI on promotions
- Eliminates redundant and obsolete inventory across the supply chain
- Accelerates product introductions
- Proactively identify risks and opportunities
- Decreases or eliminates expediting costs

KEY FEATURES

- Multidimensional Forecast across categories & geographies
- Advanced Statistical Forecasting Techniques
- Helps reconcile differences between high-level business forecasts and lower-level product forecasts
- Consensus Building & Mobility Based Consensus Building
- Transition Planning & Event Based Planning
- Automatic Alerts Generation & Reporting

VALUE PROPOSITION

BEST IN CLASS SOLUTION

- Advanced Forecasting Techniques and multiple error measures
- Consensus, Promotions and Lifecycle Planning
- Comprehensive Reporting and Alert Management

LOWEST 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

LIGHTHOUSE™ SCM DEMAND PLANNING AND FORECASTING

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

Some of the key functionalities of Lighthouse Demand Planning are listed here.

MULTI-DIMENSIONAL DRILL DOWN

Lighthouse™ Demand Planning Module enables multi-dimensional drill down for demand planning. Demand Planning can be done at different levels of hierarchy, across product, region and time dimensions. Lighthouse™ also offers the ability to create parallel hierarchies in both product and region to allow for maximum flexibility to view forecasts within organizations.

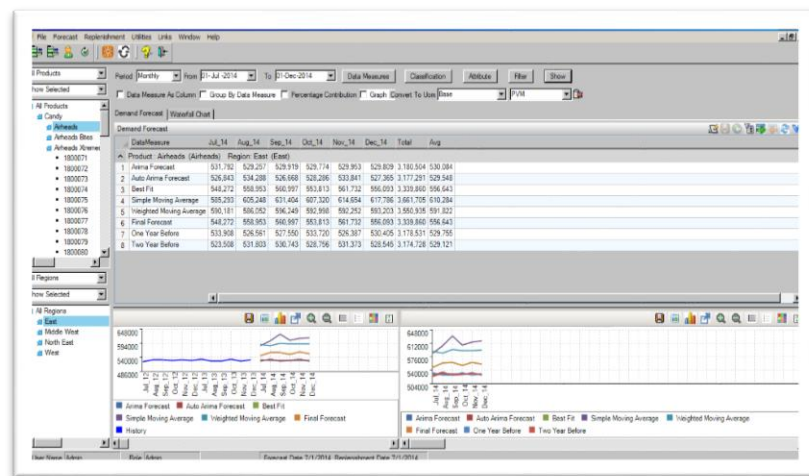Graphical display of data makes the User Interface very interactive and user friendly.

Figure1: Multilevel View of Forecast

FORECASTING TECHNIQUES & UNLIMITED DATA MEASURES

Lighthouse™ offers multiple forecasting techniques for estimating consumer demand. These techniques include Moving Average, Weighted Moving Average, ARIMA, Regression, Exponential Smoothing etc. Lighthouse™ offers a set of default measures where data generated by different forecasting techniques is populated. An in-built mechanism for evaluating the best forecasting method ensures that the forecast numbers with minimal forecast errors are chosen. The tool provides for a variety of forecast error measures to choose from. These include MAPE, MSE, RMSE, MAD, etc.

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
- R Version 3.0

CONSENSUS BUILDING

Lighthouse^{TM} Demand Planning facilitates user profile based viewing and editing of forecast at different levels of product and region hierarchy thereby facilitating consensus demand planning. The aggregation and disaggregation logic allows a consistent planning approach throughout the organization. Consensus on forecast can be built Bottom-Up, Top-Down, or Middle-out based on the organizational setup.

MOBILITY BASED CONSENSUS PLANNING

An exclusive feature of Lighthouse^{TM} Demand Planning is *'Mobility based Consensus Planning'*. The idea is to have a desktop free on-the-go consensus planning process. An application needs to be installed on mobile or tablet by each user in the consensus process. The user can review and update the forecast and the other users are automatically alerted about the change.

PRODUCT LIFECYCLE, EVENT BASED PLANNING

Lighthouse^{TM} allows 'supersession' of products where history of the product being phased out can be copied to a similar new product to generate a forecast for the new product.

Event Based Planning like Promotions Management can be done using Lighthouse^{TM} Demand Planning.

ATTRIBUTE BASED PLANNING & CLASSIFICATION FUNCTIONS

Attributes associated with product or region dimensions (say, color of the product) can also be used for viewing the demand forecast.

Classification of items or items at locations on the basis of certain attributes like value or volume forms the basis of getting a clear understanding of historical trends. Classification is a medium to view forecasts based on certain criteria.

Contact Us

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