SUPPLY CHAIN OPTIMIZATION PACKAGES

SAP ADD-ON TOOLS

OPTIMIZATION PACKAGE | Nº 1

STRATEGIC & TACTICAL MATERIALS PLANNING

bigbyte software systems

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OPTIMIZATION PACKAGE № 1

Determining the correct replenishment policy for the right situation is often an overwhelming task faced by today's materials planners. As situations change from one period to another, the job becomes unmanageable, especially when taking into consideration the great number of materials typically found in a MRP planner's portfolio. Further complicating the situation is the lack of analysis tools for sensible segmentation, and the fact that every policy (a combination of master data settings) must be manually updated.

bigbyte's Optimization Package enables MRP controllers to perform periodic evaluations and segmentations of their portfolios, and subsequently automatically update the items in the various segments with a respective replenishment policy. Simulation tools are also available for the right-sizing of safety stocks and lot sizes, which manage every exception, delay and error in one cockpit. We provide all necessary training and process documentation to implement on-site strategic and tactical material planning.

EVALUATION
3 Days

Evaluation of current materials planning processes and a list of improvement activities // We evaluate the effectiveness of the current replenishment policies and suggest a number of more efficient policies, whilst uncovering the hidden potential in the understanding of all options available in standard SAP.

TRAINING
2 Weeks

Enabling the strategic and tactical materials planners // Strategic & Tactical Materials Planning as a recurring process. "Policy Setting" as the ultimate tool to optimize your operations management. Strategic Materials Planning using the MRP Monitor; Implementation of and coaching on the use of the simulators. Training on MRP types, Lot-Size Procedures, Safety Stocks and Lead Times in the MMR. Gaining proficiency by using the tools "MRP Monitor", "Lot-Size Simulation", "Safety Stock Simulation" and the "MRP Exception Monitor". With the exception monitoring and expediting.

SAP ADD-ON TOOLS

Material Document Analysis // Material Document Analysis allows for customized data table creation including all historical movements and postings necessary to perform the analytics of the "MRP Monitor" and the "Inventory Cockpit". Postings, such as irrelevant transfers, can be excluded; making a more accurate basis for decision-making available. Standard table MVER is filled by consumption postings using the standard customizing table for the types of movement. In general, this table is customized by the controlling department and displayed as relevant or irrelevant postings, it often conflicts with the logistic department's needs. The MDA allows you to build a consumption and receipts history from the logistics point of view.
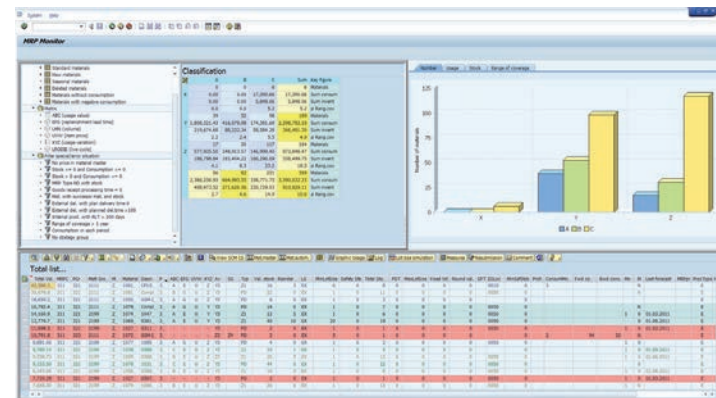
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MRP Monitor // Performs segmentation, classification, master data updates and policy setting for strategic materials planning. The MRP Monitor represents the central component for strategic materials planners, as it performs various analyses and provides the foundation for inventory optimization, policy setting and decision-making (MTS, MTO, ATO) in the supply chain.

Lot Size Simulation // Simulates all lot-size procedures in the respective customizing table using actual demand. The Lot-Size Simulation tool simulates the cost effects of the lot-size procedures (which exist in your ERP system) with various input parameters. All lot-size procedures in your customizing table are available for simulation. All material master records with the least cost procedure can be updated with the click of a button. As demand situations change over time, the Lot-Size Simulation can be repeated on a periodic basis.

MRP Monitor

Safety Stock Simulation // Simulates – and allows for updating of– safety stock through an advanced method that takes variation in lead time and demand into consideration. Safety Stock Simulation evaluates safety stock levels and their values for alternative inputs, and compares these with the current material master values. After comparing the data, the settings that have been determined are saved in the material master. The following two operational safety stock methods simulate alternative service levels and are evaluated on the basis of stock level and stock value: ERP Standard Method. Advanced Safety Stock Method. Standard Reorder Point Method. Advanced Reorder Point Method. The Safety Stock Simulator also adds the KPI 'Safety Stock Value', which is not available in standard ERP.

MRP Exception Monitor // The "MRP Exception Monitor" provides an overview of exceptions and master data errors in tactical materials planning. It displays relevant MRP data that includes general exception messages from the Stock/Requirements List, for example, based on master data checks (material master, info records, etc.), or due to excess, shortfall, or delays.
Movement data with critical planning status (such as delayed sales orders or production orders with missing parts) is also generated and displayed. Therefore, MRP controllers have an excellent overview of any errors in their stock.

The "Material View" displays all the MRP controller's materials including the relevant planning status. In addition to standard information concerning the material, relevant MRP exceptions and movement data errors are also listed. Differentiated and configurable coverage and demand information indicates the past and future stock situation.
Detailed views of all materials and movement data can also be displayed, which compile the elements of the generated views. There are also further options for navigating to the standard transactions of the respective data objects.

TECHNICAL
2 –4 Weeks

Technical Implementation of the Tools // Application of all transports. Functional testing. Implementation of a new tab in the Material Master Record.

DOCUMENTATION VIDEOS

Strategic Materials Planning // 40 Minutes A customized video leads the user through all functions of strategic materials planning

Tactical Materials Planning // 40 Minutes A customized video leads the user through all functions of tactical materials planning.

Lot Size Simulation // 20 Minutes A customized video leads the user through the process of "Lot-Size Simulation"

Safety Stock Simulation // 20 Minutes A customized video explains how to perform an effective "Safety Stock" and "Reorder Point" Simulation

SUPPORT

Standard Policies // A set of preconfigured policies to update materials in certain categories. This should get the team started in exploring effective strategies to automate materials planning.

Set of Measures // A set of optimization measures is provided. These include hit lists for inventory reduction, hit lists for availability increases and general activities to sustainably optimize the SAP supply chain.

Batch Job Scheduling // We will provide a plan to schedule jobs for the MDA runs, as well as any other required background jobs, to keep all data current.

Sustainbility Package / Plant // Weekly phone calls, remote system access , monthly report for optimization activities, recurrent recommendations for new policies.

Add-On Tools Maintenance Fee // 22% annual fee for upgrades, maintenance and new developments from SAP.

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