



Value proposition

Value proposition Akeron Supply Chain

General concepts

- Planning of production/purchasing in companies that deal with production characterized by articulated logistic networks, require tools that can respond promptly to market demand.
- The logistics system cannot be guided by a static production/purchasing plan, but must undergo daily modifications to the forecast of output (sales demand).
- The level of customer service is a primary objective to reconcile with a policy that allows to optimize production resources and reduce warehouse stocks.
- The sales demand, essential basis for planning of production/ purchasing, must not be confused with that of a budget/forecast process, which in economics aims for the development of the provisional profit and loss account. The sales demand must have a systematic level of monthly forecasting updates and more frequent ones in the presence of the occurrence of important events that have made the initial forecast obsolete. The goal of this step is to dynamically manage the quantitative predictions of delivery to the market at the level of business or single point of distribution.
- The sales demand must be “integrated” with the daily customer shipping orders backlog (carry over) to calculate the demand towards the logistics system (demand) in order to correctly “trigger”, along with warehouse finished products, processes of production /purchasing planning.
- The planning of Production/purchasing must have an efficient assistance that integrates the “medium/long -term” and “short-term” processes :
 - The scheduling feature,in charge of “medium/long term” processes, must make a macro planning of the productive resources (line/man) and plan the supply of materials
 - The production feature,in charge of “short-term” processes, should spread the daily production lines film at its finished capacity, this way optimizing the sequences (scheduling) and if necessary checking and retrieving materials
- With regard to the most common critical processes of production/purchasing planning:
 - The scheduler uses inflexible assistance which is usually updated once a month and is not able to make simulations based on production orders and purchasing (closed/open). Its repositioning in time, following changes of the demand, result in being operationally difficult.
 - The production often does not have a support film, and so manages the daily production and all its consequences on Excel, or in the best cases, it has scheduling tools that result to be heavy and not especially integrated with planning, therefore losing the benefits obtainable by a single system that integrates all processes in cascade.

Our Solution

What makes our proposal unique is the ability to manage all of the Operations Planning processes within a single application with an obvious rationalization of IT tools. Our solution allows you to:

- Draw up the management/collection of sales demand process in line with the characteristics of the market/product
- Configure the environment over time in relation to the logistics network
- Provide the planner with a complete and defined planning system
- Macro planning of production resources
- Speed up the response of the logistics system to the market

- Calculate the daily demand of finished products by integrating sales demand and carry over as a function of the logistics network
- Scheduling of the production of finished products, or the film production lines daily finished capacity, optimizing production resources and ensuring adequate coverage to date taking into consideration demand and stocks
- Calculate the demand of raw materials by considering the scheduling of finished products and proposed scheduling
- Schedule purchases of raw materials ensuring adequate coverage to date with respect to demand and stocks
- Check the coherence of the schedule with the application dynamically updated with an immediate view of the situation
- Manage the delivery of raw materials following the recall plans depending on the scheduling of the finished products
- Oversee the performance of the stock of the warehouse according to the objectives of supply
- Simulate logistic scenarios to verify the impact on resources and supplies

Our proposal is modular and therefore individual areas of interest can be activated on request even at a later stage.

Advantages

- Efficiency of the Logistic system
 - Warehouse stock reduction
 - Reduction of incomplete to client
 - Reduction on equipping time
 - Reduction on production time
 - Reduction on transport
- User efficiency
 - Daily updates
 - Reduced calculation time
 - Easier situation analysis
 - Views segmented by type of criticality
 - Functional completeness
 - Availability of simulated environments
 - Easy updating due to Logistic network changes
 - Optimization and efficiency of the resources used

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