

AGR Inventory Optimizer

AGR Inventory Optimizer is an Inventory Planning and Optimization solution that minimizes inventory costs, shortages and time.

AGR Inventory Optimizer is specially designed for operations in retail, wholesale, distribution and manufacturing. It uses raw data from any ERP or transaction system and employs sophisticated forecasting methods along with established inventory management techniques and automatically selects the best fitting forecasting method to estimate future demand and deliver proposals on purchases so as to minimize total inventory costs.

The sales forecasts and other preconditions are used to create an order proposal which eliminates excess costs from the supply chain by optimizing inventory levels, reducing lost sales and replacing time-consuming manual replenishment processes.

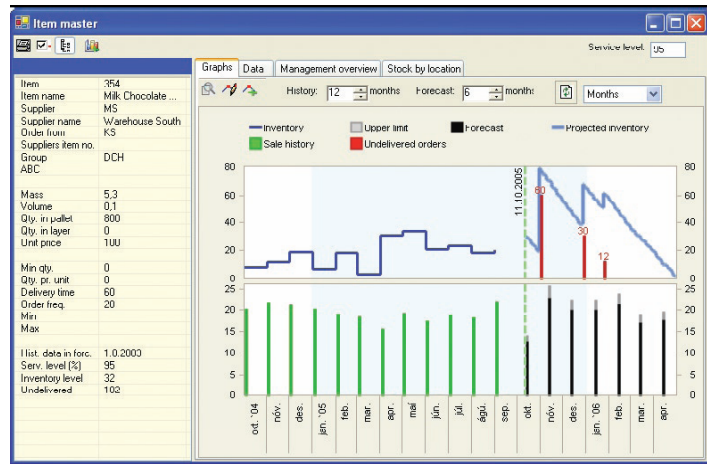
Typical experience from our customers shows that in weeks it is possible to reduce stock levels by up to 30%, improve service levels and decrease manual work dramatically by automating the replenishment process.

Key Benefits

- Experience from our customers shows up to 30% reduction in inventory costs.
- Improved service levels
- Less manual work and increased automation
- Increased overview with graphical display
- Reduction in transportation costs with better utilization of trucks and containers.
- Implementation of new methodologies and smart thinking in the purchasing process

Additional modules

- ABC analyses. Two-dimensional ABC analyses, classifying items simultaneously based on turnover value and sold units, e.g. AA, AC, BA, Etc. This enables users to prioritize their efforts in terms of the importance of each product.
- VMI – Vendor Managed Inventory supports active collaboration between supplier and wholesaler. This module allows vendors to execute forecasts and order proposals based on their clients' data and preconditions.
- Supplier performance module enables monitoring of supplier's service level ratio both by order lines and the number of units ordered.
- Purchase plans make it possible to create order plans for the future to increase vendor collaboration and information sharing.
- MRP – Materials Requirement Planning module makes it possible to calculate raw material needs for production items.



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Features:

Historical data

The system makes it possible to view graphically historical sales, inventory levels and shortages.

Forecasting

The optimizer generates sales forecasts based on proven statistical forecasting methods, coupled with a powerful expert system that uses the most suitable forecasting method in each instance, taking into account historical sales, seasonal fluctuations, etc.

Purchasing recommendations

Established Inventory management methods, based on the sales forecasts demand variability and other preconditions, are used to deliver manual or automatic purchasing recommendations that remove excess cost from the supply chain.

Supply chain structure

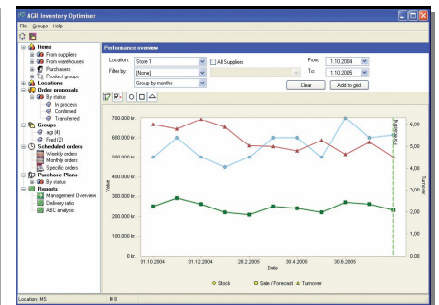
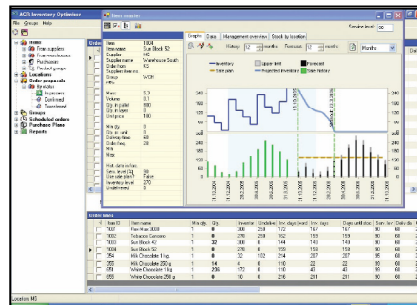
The product has the flexibility to fit any supply chain network, from single location wholesalers to international retailers with numerous distribution centres and stores.

Integration and architecture

AGR Inventory Optimizer has a 3-tier architecture and has been integrated with various ERP systems. The system is programmed in C# utilizing Microsoft's newest .Net technology and initiative.

User friendly interface

- The item master shows detailed information on the chosen item. It gives a graphical overview of historical inventory development and sales figures while showing future forecasts and projected inventory levels.
- Stock by location. Inventory levels can be viewed graphically by location, either in units or days.
- Order proposals. The buyer reviews order proposals before sending them to the ERP system. The Item Master is updated automatically according to the item number that is being reviewed, showing historical sales, inventory levels and forecasts and enabling the purchaser to obtain a good overview of the past and future situations before making a final decision on how much of each item to order.
- Scheduled proposals. Automatic order proposals can be scheduled to take place weekly, monthly or on specific user-defined dates
- Management overview enables managers to evaluate the performance of various factors in the inventory system, such as stock value development, turnover, or turnover ratios for products, groups or locations, allowing them to closely monitor the performance of the system.
- Sale adjustments for groups makes it possible for buyers to adjust the sale history for groups of items to influence sale forecasts.



About K3

K3 provides software solutions to organizations in retail, hospitality and supply chain. We are a Microsoft Gold Certified Partner with a strong focus on providing solutions and services to retailers.

It is our mission to be a partner for ambitious retailers by delivering high quality software solutions and expertise.

K3 prides itself on its long lasting relationships with many (inter)national customers like IKEA, Bouwmaat Nederland bv and Bulgarian Telecom.

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