

DESCRIPTION OF THE QGUAR SYSTEM IMPLEMENTATION

Place of implementation:

Branches in Poland: Wadowice, Olsztynek, Tychy, Lublin, Tymbark, Łowicz

Wdrożenia zagraniczne:

Branches located abroad: The Czech Republic, Romania, Slovakia, Hungary

Implemented system:

Qguar WMS Pro
Qguar TMS
Qguar YMS

Cooperation commencement date:

2000.

Warehouse operation mode:

The warehouse operates in the three-shift mode.



Company profile

The Maspex Wadowice Group is one of the biggest companies operating in the food products sector in East-Central Europe. It manufactures juices, nectars and drinks in Poland, the Czech Republic, Hungary, Romania and Bulgaria. It is the leading producer of instant products (cappuccino coffee, cocoa, powder coffee whiteners, instant tea) in East-Central Europe. The Maspex Wadowice Group is also the leader in the pasta market in Poland and Romania. Such brands as Tymbark, Kubuś, Lubella, Puchatek, Ekoland, DecoMorreno, Cremona, La Festa and Plusssz enjoy trust of consumers not only in Poland, as products under these brands are sold in over 50 countries all over the world.

At present, the Maspex Wadowice Group comprises over a dozen of both Polish and foreign companies that employ the total of about 5,000 persons.

Business line characteristics/challenges

Since the very beginning of its business activities, Maspex Wadowice consequently has been realizing its objective of manufacturing products that meet high quality standards respected in the world. Food industry is a very special industry sector. Therefore, it is very important for the Maspex company to exert current control over warehouse processes and to have access to all the information accumulated in the system. Management of best-before dates according to orders placed by clients, efficient and fast processing of orders, realization of a higher number of orders, while maintaining the same number of employees and means of transport, reduction of errors and the amount of goods required to be kept in stock – all these are elements that contributed to the decision to modify the management of warehousing logistics.

Selected solution

At first, Maspex – with the registered offices in Wadowice – used a simple warehouse system, offering limited functionality and unable to automatically identify goods. Its role was limited to controlling warehouse stock levels. The system did not interfere with any warehousing operations, neither did it assist in the operations performed by warehouse employees. Increasing goods flow, growing needs of clients as well as lowering the costs involved in logistic processes – all these factors contributed to the interest of the Maspex company in the Qguar WMS Pro system. Compared to the former solution, the new system is a program that assists in the performance of warehousing processes, especially in warehouses that store great numbers of products and realize huge numbers of warehousing operations. Qguar WMS Pro became integrated with warehouse automation systems, as well as with the master SAP-ERP system.

As the distribution network of Maspex Wadowice continued to grow, the company decided to implement another two systems offered by Quantum, namely Qguar TMS and Qguar YMS.

Benefits

Implementation of the Qguar WMS Pro system allowed Maspex Wadowice to acquire the maximum level of utilization of the warehousing space, while it also made it possible to fully identify the assortment of goods stored in particular warehouse locations. According to the assumptions of the implementation project, the warehouse was organized according to the First Expires First Out (FEFO) model, where goods are served according to the order of their best-before dates. This was aimed at liquidating high losses incurred in relation with expiry of products stored too long in warehouse racks.

Qguar assists in warehousing processes from the moment goods leave the production line or enter the warehouse, up to the moment they are issued from the warehouse. Moreover, this solution allows particular steps of the process of warehousing and distribution to be traced and provides access to information about current warehouse stock levels. By means of the Qguar WMS Pro system, a warehouseman can exert full control over the amounts of goods in stock and can find out where exactly a given product or a given batch of products can be found. Enhanced efficiency of warehousemen's work decidedly increased the quality and speed of picking goods for shipment.

The possibility of fast, precise and comprehensive stock taking in the warehouse was another important issue for the company. The Qguar WMS Pro system offers the possibility of implementing special stock-taking scenarios that allow one to easily carry out stock-taking operations for a selected part of a warehouse, and to do so without totally blocking the flow of goods through the rest of the warehouse.

As the Grupy Maspex Wadowice Group comprises foreign companies as well, it was important for the prospective solution to be available in a multilingual version. The system chosen by the company is able to display not only reports and static texts in a selected language. It can also display localized data from databases, e.g. article names, units of measure, packaging unit structures, types of carriers. This function contributed to speeding up numerous operations carried out in the system.

In the Maspex Wadowice Group, the Qguar WMS Pro system rationalized not only warehousing logistics, but also the domain of transport management and yard space management. Through deep integration with Qguar WMS Pro, Qguar TMS made it possible to concentrate overall transport management processes of the entire group. It enhanced planning and monitoring of as well as accounting for transport processes. It also supported realization of numerous types of carriage activities and enhanced the support of transshipments and delivery scheduling.

The modern logistic centre located in Tychy takes advantage of the following systems in its operation: Qguar WMS Pro, Qguar TMS and Qguar YMS – a module for manoeuvring yard management. It turned out necessary to implement this module, as the number of operations performed at the interface between the warehouse and the manoeuvring yard exceeded several scores per 24 hours. The support provided by Qguar YMS ordered information concerning the status of logistic processes and resources in the yard and enhanced the management of traffic within the plant premises, especially the management of docks, parking lots and gates. Increased rate of vehicle support, reduced time of waiting for loading, reduced work costs, comprehensive management information – all these factors contributed to increasing warehouse performance.

Implementation of the Qguar WMS Pro and Qguar TMS systems as well as of the Qguar YMS system was aimed primarily at ensuring efficient information flow within the entire logistic process in the Maspex group.

