

## DESCRIPTION OF THE QGUAR SYSTEM IMPLEMENTATION

**Place of implementation:**

Pobiedziska near Poznań

**Implemented system:**

Qguar WMS Pro 5.5

**Cooperation commencement date:**

2015

**Warehouse operation mode:**

From Monday to Friday, from 6:00 to 18:00



## Company profile

TIP-TOPOL is the biggest Polish manufacturer of membranes for pneumatic suspension systems implemented in trucks and buses. The company was founded in 1988 and it has been developing its range of offered products and its presence on ready markets ever since. At present, 90% of its production is exported to buyers in 47 countries. Membranes and auxiliary elements are manufactured in production rooms (total area: 15.000 m<sup>2</sup>) fitted with modern equipment.

The second pillar of TIP-TOPOL's business is constituted by comprehensive support of tyre servicing and recapping establishments. Since 1993, the company is a representative of REMA TIP TOP GmbH in Poland. During the following years, it expanded its assortment with materials required to repair and join conveyor belts, as well as with rubber linings and other materials and tools used for specialized purposes. For several years, TIP-TOPOL has been extending the range of offered products to include workshop equipment, as it has come to represent a number of recognized Western European companies on the Polish market.

## Business line characteristics/challenges

The main challenge faced by TIP-TOPOL is to ensure efficient, fast and cost-optimized distribution of products to an extensive network of recipients. The wide assortment of goods (10.000 items) combined with the geographical scattering of clients give rise to the need to maintain a large warehousing area, where a considerable number of operations is carried out. Moreover, stored goods differ considerably in terms of their size. As a result of continuous development of the range of offered goods, combined with the pressure to realized orders faster and faster and with the growing importance of the Internet distribution channel, the company decided to centralize its warehousing policy. At present, the entire distribution process is realized by the logistic centre in Pobiedziska that has a warehousing area of 4.000 m<sup>2</sup> at its disposal. The next step to be made by the company consisted in finding a solution that would allow the work of the warehouse to be digitalized and automated.

## Selected solution

As the logistic centre in Pobiedziska kept developing, TIP-TOPOL decided to select the QGUAR WMS PRO system to support and optimize the work within the main warehouse. The software allows the user to identify goods, prepare orders submitted by clients, control operations and goods receipt by means of barcodes. The efficiency of the system allows numerous and complex warehousing processes to be managed efficiently. The selected solution was integrated with the ERO Graffiti system implemented in TIP-TOPOL.

## Benefits

Qguar WMS PRO allowed TIP-TOPOL to eliminate time-consuming maintenance of paper-based warehouse documentation, related, for instance, to goods receipt or issuing operations or stock taking operations that were prone to suffer from human error.

The implemented solution provides up-to-date and reliable information concerning quantities of articles in stock, quantities of load units and their location, while it also offers a set of customizable alerts.

The implementation of this system allowed the warehousing area at the disposal of the company to be better utilized. Difficulties in identifying goods locations often force the staff to store articles in a non-optimal manner, i.e. according to article groups. An efficient IT system relieves warehousemen of the responsibility to memorize goods locations, as it leads store-keepers every time along an optimum path to successive goods-picking locations. The new approach, that allows free spaces to be exploited, considerably facilitates the work of newly-employed persons, who no longer have to learn warehouse topography and memorize goods indexes. This, in turn, translates into shorter periods required to introduce an employee to his duties.

The system provides the company with better control over processes realized within the warehouse and allows potential errors to be identified and their incidence to be reduced. Simultaneously, the time required to realize particular tasks has also been shortened. The assumed identification method that involves implementation of barcodes accelerates considerably the process of receiving goods to the warehouse.

