

Smart Market Optimizes Warehouse Operations with Datalogic's Skorpion™ mobile computer

Overview

The Smart Market business group, headquartered in Spain, is formed by Smart Market SLU and Appletree SLU, manufactures markets and distributes a wide range of household products. The Smart Market SLU division handles Icelands, Leopard, and Alligator brands, while Appletree SLU manages Avocado and Butaka. The group's philosophy is to always meet the needs of its customers with quality products and services in order to create and maintain long-term relationships.

The Challenge

Keeping in line with its philosophy, Smart Market was looking for a way to optimize its logistics processes, which were currently handled by various warehouses spread across the country. To ensure faster and better service, the company decided to move all its stock to a single 18,000 sqm warehouse. But before making this major change, Smart Market wanted to make sure it could get the most reliable automated solution available to manage this enormous warehouse. It contacted AS Software, a leader in the development of software management solutions.

The Solution

"Thanks to Datalogic's quality products and our excellent relationship, we offered the Smart Market Group a complete solution to maximize performance of the company's logistics processes," states Pablo Miranda, Director of Commercial Software at AS Software. AS-SGA Automated Warehouse Management software was integrated into Smart Market's ERP system and Datalogic's Skorpion™ mobile computer handled real-time transactions. This combination allowed Smart Market to manage information flows from its warehouse and integrate the data into its ERP system in real time.

The process actually starts in the stores where inventory is checked using the Skorpion mobile computer; then a request is made for products that need to be replenished. The automated warehouse receives the information and a workload is established. The products are picked, put on pallets, labeled and moved to a specific location in the warehouse where transfer information is compiled and the products wait to be shipped.

The Skorpion mobile computer is an active player during each of these activities helping to optimize all aspects of the operation. In order to generate a workload, the warehouse manager simply displays the tasks to be performed by each operator on the screen of the Skorpion mobile computer, where they can be modified or sorted in real time. This is a major improvement over the previous system where this operation was done manually making it very time consuming.

With help from the AS-SGA software, the Skorpion mobile computer can also calculate various factors, such as height, type of pallet and width, types of accessible locations and stock rotation in order to determine where to place a pallet. This operation improves location management, maximizes storage capacity, and guarantees correct product rotation based on placement and distribution criteria.

Transfers within the warehouse are managed and configured by the AS Software solution using the Skorpion mobile computer as well. The transfers can be made directly or deferred and items can also

be blocked in a quarantine area to minimize the risk of delivering non-standard products.

Finally, all the documentation needed for shipping the picked products is prepared by the Skorpio mobile computer as well as the appropriate labels for the various couriers, allowing shipments to be expedited quickly and accurately.

The Results

The solution has provided Smart Market with many improvements including:

- streamlined input and facilities management
- optimized inventory management
- keeping stores stocked correctly
- reduced workload.

Logistics operations have never run smoother!

Client: Smart Market

Industry/sub-industry: Retail/Specialty Retail

Application: Warehouse Management

Country: Spain

Datalogic product: Skorpio mobile computer

Datalogic partner: AS Software