

# Iaponiki

## Case Study



### Objective

- ▲ Due to rapid business growth, the central warehouse of Iaponiki in Attica, Greece, had reached its capacity limits. The objective of the project was to exploit the existing warehouse space in the most effective way and reduce the time for inbound and outbound logistics operations, and stores replenishment.

### Solution

#### WMS:

- ▲ Implementation of Mantis Logistics Vision Suite / LVS

#### New Storage Systems:

- ▲ Shuttle Kardex (AS/RS) - LVS-WCS AMHS Server (LVS - Warehouse Control System Automated Materials Handling Server)
- ▲ Back 2 Back

#### Automation:

- ▲ Sort2Light / Put-Wall - Light Directed picking
- ▲ WCS Lights Server / Warehouse Control System Lights Server

### Results

- ▲ Inventory increased by 80.50% is now efficiently handled in the Logistics Center
- ▲ Errors reduction / semester: 88%
- ▲ Increase of order lines / day: 169,71%
- ▲ Increase of max order lines / day: 87,5%

Iaponiki achieves  
outstanding performance with  
automation orchestration  
by Mantis WMS LVS

**ΙΑΠΩΝΙΚΗ**



## The Company

Iaponiki S.A. is the leading aftermarket distributor in Greece offering a wide range of services and products to professionals in the automotive sector through a network of 26 stores all over the country. Its cooperation with leading factories worldwide and more than 90 prestigious suppliers like Bosch, NGK, Brembo, Lukoil, Castrol, Motorex, Mobil, Schaeffler, Sachs etc, allows it to have a wide range of Auto Spare Parts for Japanese, European and Korean vehicles and Workshop Equipment.

Iapokini is a member of TEMOT International, a strategic value network operating in the Automotive Aftermarket industry.

## The challenge

In 2014, Iaponiki's central warehouse relocated to Markopoulo, Attica.

Since then, the warehouse reached its limits because of new commercial partnerships that led to the significant increase of SKUs and inventory.

Iaponiki's warehousing has also been challenged by an extensive and rapid expansion of the company's stores network.

Diverse types of product categories in terms of volume and weight required various and complex warehouse operations.

## Why Mantis

The management team of Iaponiki promptly decided to go for a best-of-breed WMS / logistics software, with a proven track record in the automotive spare parts and accessories sector, which would effectively re-engineer and optimize the warehouse processes from A to Z, leading to tangible benefits in a firm time frame.

After a demanding RFP period, the company opted for Mantis as its strategic technology vendor and invested in the uniquely adaptable and flexible Mantis WMS LVS which orchestrated a set of Automated Materials Handling Systems – AMHS and smart and affordable automation.

**The best option proved to be to exploit the existing warehouse space in the most effective way and reduce the time for inbound and outbound logistics, and stores replenishment.**



## The Solution

Mantis WMS LVS optimized all inbound and outbound warehousing processes during a complex and very demanding daily workload. The Mantis Warehouse Management software automated the inventory replenishment warehouse operations, thus better accommodating the specific requirements of each Iaponiki store.



## Light-directed automation

Sort2Light / Put-Wall – Light Directed picking  
WCS Lights Server / Warehouse Control System Lights Server:

The company relied on the LVS-WCS Lights Server for automating the sorting of items per store and client, from plastic totes on a live storage racking system, with the use of light-directed indicators (Put Wall / Sort to Light).

LVS-WCS Lights Server supports additional functionalities such as box replacement notifications per volume / weight / product category as well as light-directed indicators for the locations' status (full or not) and their in-time emptying.

## Shuttle Kardex AS/RS

Shuttle Kardex (AS/RS) - LVS-WCS AMHS Server (LVS - Warehouse Control System Automated Materials Handling Server):

The team of the Mantis subject matter experts deployed LVS-WCS-AMHS Server (Warehouse Control Server) in a fast and effortless way, to drive the Kardex shuttle (AS/RS) in the picking process.

Having developed innovative proprietary technology for native integration with automated materials handling systems, LVS-WCS-AMHS Server optimizes the product flows in real time, offering superior speed and flexibility in order execution.

Iaponiki's top management trusted LVS-WCS-AMHS Server also for its scalability, a unique capability that enables Iaponiki for its future endeavors of new, automated warehouse operations.



Both LVS-WCS AMHS Server and LVS-WCS Lights Server are part of the Mantis LVS – Warehouse Execution System (WES) that orchestrates automation with the rest of the manual warehouse processes, offering real-time visibility of order execution.

## Results / statistics

- ▲ Inventory increased by **80.50%** is now efficiently handled in the warehouse
- ▲ Errors reduction / semester: **88%**
- ▲ Increase of order lines / day : **169,71%**
- ▲ Increase of max order lines / day: **87,5%**
- ▲ Order Accuracy: **99,9%**
- ▲ Stock counting time reduction: **80%**

## Advantages

- ▲ Real-time visibility
- ▲ Elimination of the labor force's unnecessary routes
- ▲ Big decrease in orders execution and sorting time
- ▲ Automated inventory replenishment
- ▲ Optimization of processes, systems and space
- ▲ High increase in the total warehouse productivity

## Testimonial

“Mantis’ reputation, clientele, and WMS LVS’s strong capabilities presented by the team of experts were the main reasons to trust Mantis from the very beginning. We took the right decision as we now have optimized and automated warehouse operations and we enjoy a significant increase in logistics performance. We look forward to fostering our collaboration with Mantis by leveraging new opportunities.”

Nikos Xenos  
Logistics Manager  
Iaponiki



## Award-winning case study

Mantis won 2 Gold Supply Chain Awards for the process optimization at Iaponiki’s new logistics center paving the way for Iaponiki to offer outstanding customer service by achieving perfect order accuracy and almost tripling its order lines per day.

The project was awarded the GOLD Award in the category of Excellence in Supply Chain (Automotive Aftermarket Industry) as well as the GOLD Award in the category of Software, Equipment and Storage Systems.



Software, storage  
systems + equipment



Automotive  
aftermarket industry

**ΙΑΠΩΝΙΚΗ** 

Mantis, established in 1996, is a leading international WMS / logistics software and solutions vendor with European origins. With 10 offices and many qualified partners, Mantis is present in 30+ countries in Europe, North + Latin America, Middle East + North Africa and Asia-Pacific.

At the beginning of 2022 Mantis merged with Logistics IT specialist ecovium, a leading provider of SCE software and hardware solutions for Supply Chain processes. German-headquartered ecovium and Mantis join forces to offer integrated, state-of-the-art Supply Chain Execution (SCE) solutions on an international level by combining platforms for TMS, shipping, customs and WMS. The transaction was supported by FSN Capital Partners, a leading Northern European private equity firm and advisor to the FSN Capital Funds.

Mantis' flagship Logistics Vision Suite (LVS) is probably the only WMS / logistics software suite in the world that can be easily adapted for companies with sophisticated warehousing + distribution operations and automations. Its design represents a great leap in WMS / logistics technology, offering unique adaptability + outstanding upgradeability. It enables professionals of Mantis and its partner network, to easily configure and roll-out it to multi-site operations (and multi-client in case of 3PLs) thus sharply decreasing the initial project time and costs. Furthermore, its state-of-the-art architecture and upgradeability allows painless upgrades and cost-effective on-going support. Finally, it allows 3PLs and other customers with internal IT resources to "self-serve" themselves covering even for the most complex of their warehousing + distribution processes, enabling them to respond fast to their continuously evolving needs while at the same time enjoying an unbeatable low multi-year TCO.

More than 900 enterprises, many of them leading multinationals, representing all major industries (3PL, Retail, Wholesale / Distribution + Manufacturing) and selling channels (traditional + multichannel e-commerce) rely on LVS to run and optimize their logistics operations. LVS customers spread across many vertical markets, such as Consumer Products, Food + Beverage, Fashion, Pharmaceuticals + H+B + Medical, Grocery Chains, ICT + Appliances + Electronics, Construction Materials, Home Improvement, Tools + Industrial Equipment, Tobacco, Spare Parts + Accessories, Books + Office Supplies, Electro-Technical + Cables, etc.

LVS has been successfully integrated with most global ERPs (SAP, Microsoft Dynamics, Oracle) as well as with a plethora of local and regional ones (IFS, Iptor, etc.).

