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Case study: Eurofred
Logistics with an air of productivity

Country: Spain

Air conditioning products company Eurofred has opened a new 2.47 acre warehouse in Seville, Spain. And Mecalux has equipped it with two storage systems: pallet racking and racks with the semi-automated Pallet Shuttle system. In total, the solutions provide a total storage capacity of 10,280 pallets of different SKUs, sizes, and turnover. Mecalux has also outfitted two other Eurofred warehouses, in Barcelona and Tarragona (Spain), respectively.

**Over 750 employees
in eight countries**

Eurofred is a leader in the distribution of air conditioning equipment in the household, commercial, and industrial sectors.

Efficiency is the hallmark of this business, which strives to produce eco-efficient solutions adapted to the needs of each customer, from individuals to companies in any sector (primarily the hospitality industry). Eurofred boasts 7.4 acres of warehousing space in Chile, France, Italy, Ireland, Morocco, Portugal, and the UK. All its logistics facilities are outfitted with the latest technology, reducing the consumption of natural resources and generating a smaller environmental footprint.

Increased storage capacity

Since it was founded in 1966, Eurofred has constantly transformed its business with the aim of expanding its market and serving a growing number of customers. In recent years, it has not only extended its product range, but also opened an online store where it sells spare parts and accessories.

storage capacity. At the same time, it had to facilitate storage tasks and ensure effective organization of the goods.

The company contacted Mecalux because, says Castillero, *"we've worked with them before. We installed their storage systems in our warehouses in Barcelona and Tarragona, so we were already familiar with them."*

Two storage systems

After analyzing Eurofred's needs and workflows, Mecalux proposed implementing two different yet compatible storage systems: pallet racking and racks with the semi-automated Pallet Shuttle system. The advantage of having two storage systems in the same warehouse is that they facilitate the organization of SKUs by taking into account their characteristics, size, and turnover. Eurofred can store a total of 10,280 pallets.

Racks with the Pallet Shuttle system

Two blocks of racking have been set up with the semi-automated Pallet Shuttle system. Castillero says: *"We've allocated them to high-turnover products."*

One of the most notable benefits of these racks is that they leverage all the available surface area to accommodate 2,340 pallets. The racks stand 36' tall by 108' long and have four levels. Easy location can hold up to 13 pallets deep of the same SKU. Out of all the high-density racking systems, the Pallet Shuttle ensures the fastest goods movements. *"It's improved safety as well as productivity in goods entries and exits,"* says Castillero.

This is because the operators do not enter the storage lanes to handle the merchandise; that is, the motorized shuttle carries out these movements automatically.

As logistics is the cornerstone for Eurofred, the company requires a supply chain that is agile, error-free, and close to its customers. Along these lines, it has just opened a 2.47 acre warehouse in Seville to supply its customers in southern Spain.

Santiago Castillero, Warehouse and Logistics Project Manager at Eurofred, describes the operations in this facility and the company's needs: *"Every day, we receive many pallets sent mainly by our suppliers in Asia. We quickly store them and, when the time is right, dispatch them to our customers. We wanted this warehouse to be capable of absorbing such a high level of pallet movements, with continuous goods inflows and outflows."*

In the end, Eurofred needed a warehousing system that would make the most of the space to provide the greatest possible

> ## Santiago Castillero
> ### Warehouse and Logistics Project Manager, Eurofred
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> *"We're accustomed to Mecalux racking, so for this new warehouse, we knew exactly which storage solutions we wanted. We're very happy with the result, especially with the racking with the Pallet Shuttle because it's increased our productivity. It's a very safe solution that speeds up goods inflows and outflows."*

While the shuttle places a pallet in its location, the operator goes to get another pallet and places it in the first position of the corresponding channel. When the shuttle returns to the beginning of the channel, it repeats the same action.

Pallet racking
The majority of the warehouse is equipped with 28-foot-tall pallet racks with capacity for 7,940 pallets.
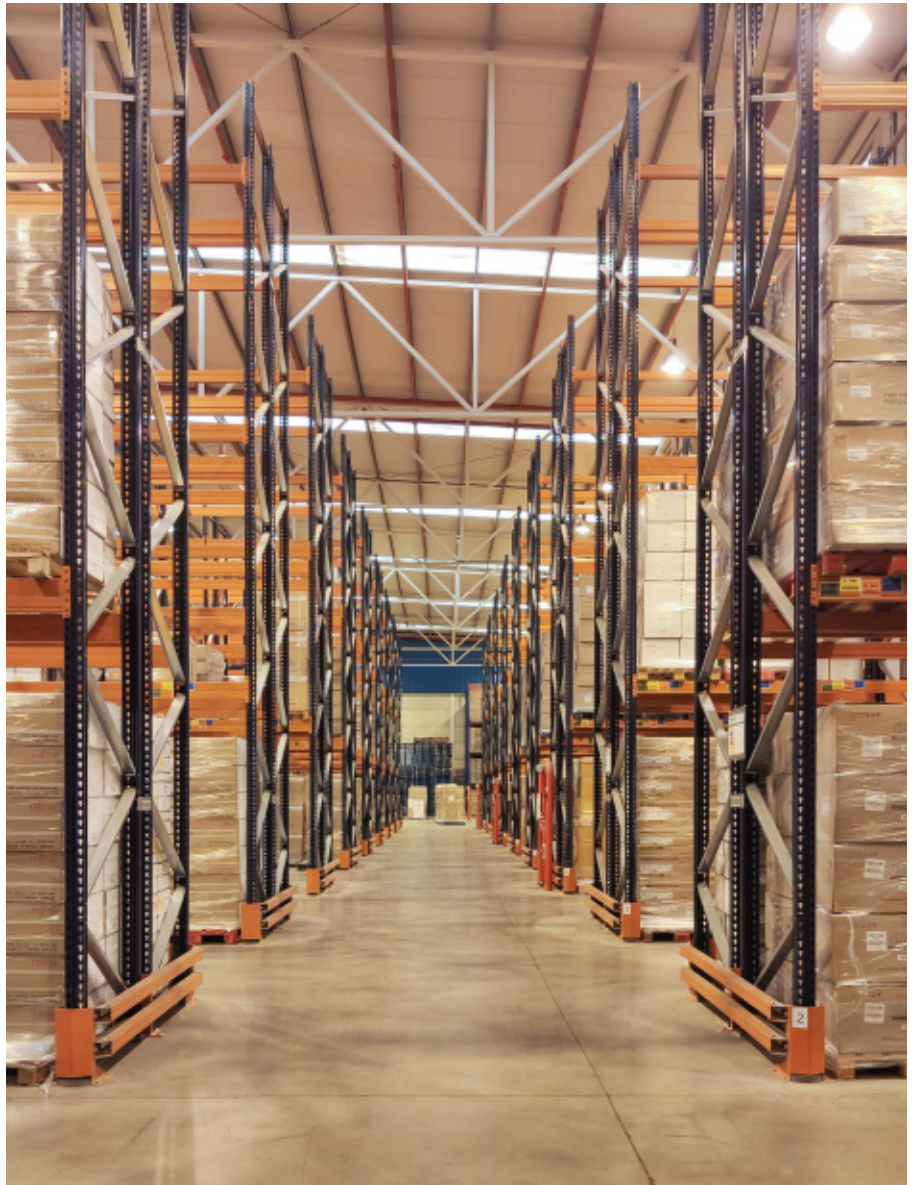
These racks hold a large quantity of pallets with many different SKUs. Castillero says: *"It's a very versatile system that we can use to store any kind of product."*

Plus, it provides direct access to the goods, ensuring great agility when managing goods and preparing orders. *"We use the lower levels for picking and deposit the reserve products on the upper levels. This means we always have the goods we need to prepare orders without interruption,"* says Castillero.

Productive warehouse
Air conditioning company Eurofred has a logistics facility in Seville with streamlined operations. It receives pallets sent by suppliers and dispatches orders to its customers (primarily in southern Spain).

To perform these operations effectively, the company has two different storage systems that share a common advantage: they foster optimal goods management. The products are distributed on the racks according to their characteristics and turnover.

Advantages for Eurofred

- **Maximum storage capacity:** Eurofred has opened a new warehouse in Seville to house 10,280 pallets.

- **Versatile system:** the pallet racks store many SKUs of various sizes and turnover.

- **Mass storage:** the racking with the Pallet Shuttle facilitates and optimizes the storage of a large number of pallets of the same SKU in a small space.

Technical data

Pallet Shuttle system		Pallet racking	
Storage capacity	2,340 pallets	Storage capacity	7,940 pallets
Pallet size	31.5" x 47.2"	Pallet size	31.5" x 47.2"
Max. pallet weight	1,763 lb	Max. pallet weight	1,763 lb
Rack height	36'	Rack height	28'
Rack length	108'	Rack length	108'

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