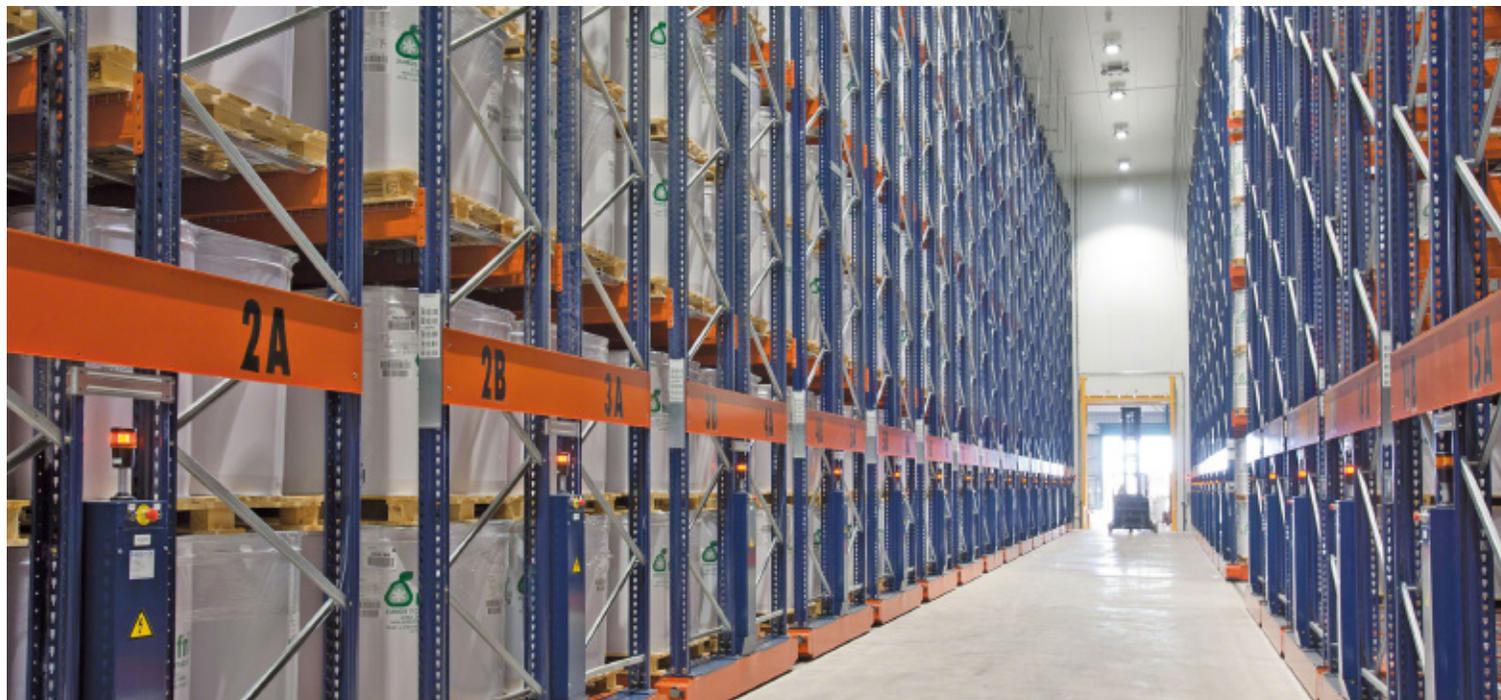


Nufri has put its confidence in Mecalux yet again by installing Movirack mobile pallet racking in its headquarters in Lleida

Mecalux supplied and installed a Movirack mobile racking system in Nufri, business leader in processing fresh fruits and vegetables with more than 40 years' experience in the sector. This new warehouse in its logistics centre in Mollerussa (Lleida) allows the storage of more than 6,100 pallets.

Country: **Spain** | Sector: **food & beverage**



ADVANTAGES

- **Storage capacity is increased** using a Movirack mobile pallet rack system.
- **Direct access to any pallet:** the aisle opens up exactly where the goods are located.
- **Products are maintained in optimal condition** facilitated by the parking function, which keeps the racks slightly apart maintaining better air circulation.
- **Flexibility for future expansion.**





The warehouse is divided into two well-marked areas: the first, which is smaller in size, is set up to store products and packaging at ambient temperature, while the remainder of the area is cold storage used to store extracts, juices and purees.

Ambient temperature area

It is set up to supply production areas, from cylindrical containers of enormous dimensions, including the products necessary to complete its range of processing.

This area, with a storage capacity of 1,200 pallets that are 1,200 x 1,200 mm in size and have a maximum weight of 2,100 kg each, is available with seven mobile bases and two non-moving racks.

Being located beside the cold storage allows combined supply, removal and storage of processed goods, significantly optimising the internal movements inside the facility.

Providing for the future needs of the company, an area has been set up where five more mobile pallet racks can be installed. To that end, the floor has been fitted from the beginning to facilitate possible progressive growth.

Cold storage

There are a total of 31 double mobile bases and four non-moving racks which give a storage capacity of 4,930 pallets 1,200 x 1,200 mm in size, and have a maximum weight of 2,100 kg each, which conserves processed materials at a controlled temperature.

The racks are arranged in two large blocks separated by a main gangway. Each block has a wide work aisle that opens up between racks. To automatically open it, the operator must only push a button via the remote control.

For the purpose of ensuring the security of its operators and the warehouse in general, the Movirack system has the following devices: external optical safety barriers, longitudinal photocells placed on both sides of the bases, proximity sensors, pre-programmed activation protocols and emergency stop and reset buttons.

The forklifts that are used in the refrigerated storage area are the retractable type that makes it possible to work in an aisle less than 3 m high. The last load level is placed at 10.6 m high, and the maximum load height would reach 12 m high.



Movirack mobile pallet racking provides maximum warehouse streamlining

Needs and the proposed solution

Nufri handles around 400 million tons of fresh and processed materials, selling to more than 40 countries worldwide. To guarantee quality, personalised service, Nufri needed a warehouse in which it could access all its stored products in a straightforward manner, all the while maximizing surface area and the volume of the facility.

In response, Mecalux opted to install Movirack mobile pallet racks of 12 m high, converting it into one of the tallest solutions of this kind and perfectly adapting it to the needs presented by Nufri.