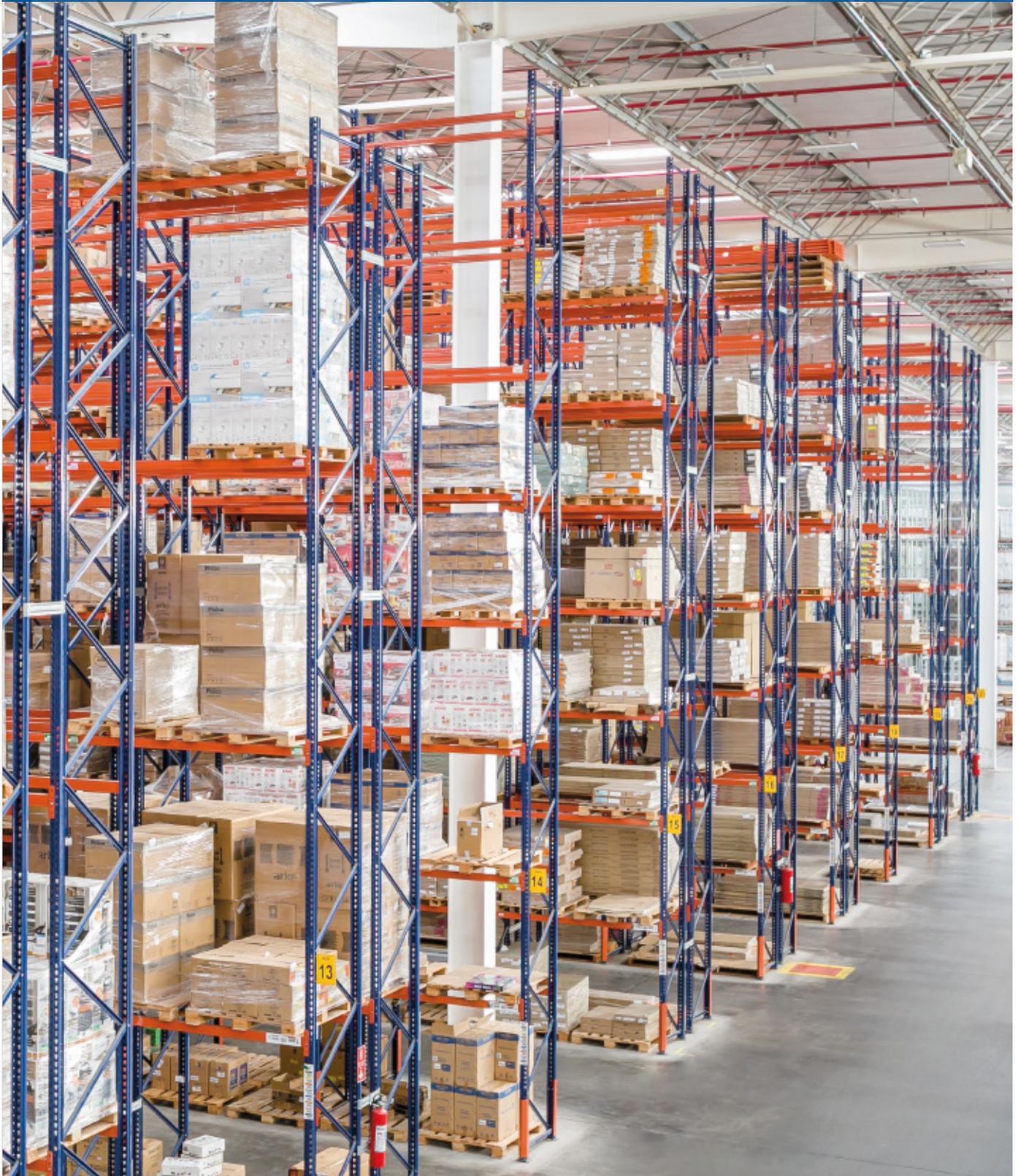


## Case study: Magazine Luiza

A huge variety of palletised products stored in pallet racks at Magazine Luiza

Location: Brazil





**Mecalux has set up pallet racking in the warehouse Magazine Luiza, an electronics company, owns and operates in the Brazilian city of Guarulhos. With this system, the company has attained a capacity to store more than 15,300 pallets.**

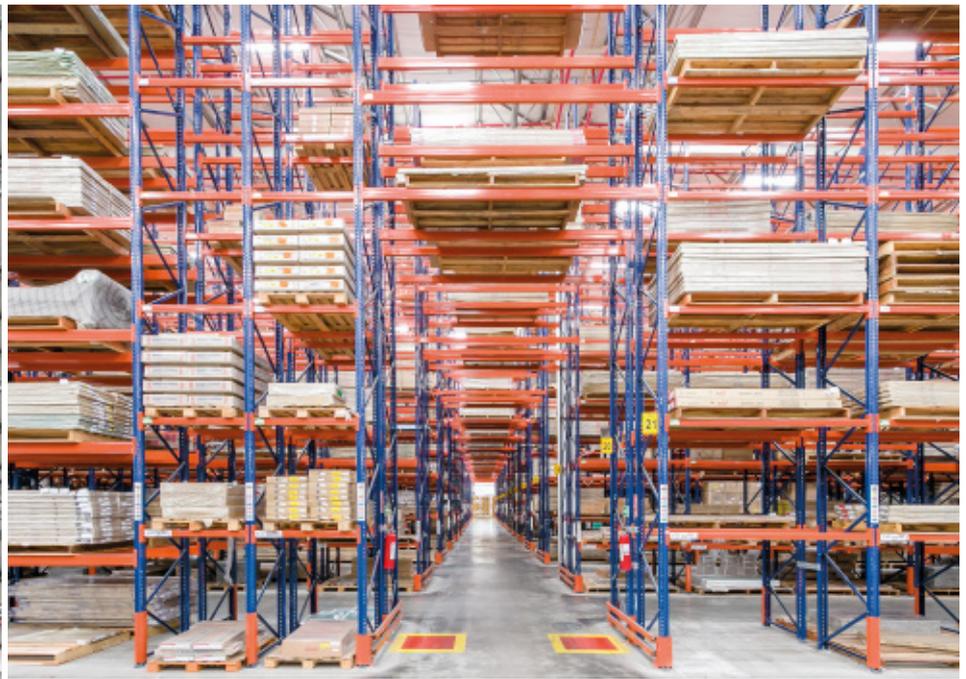
#### **About Magazine Luiza**

Magazine Luiza, founded in 1957, is one of the largest retail sales companies in Brazil. With 814 storefronts spread throughout 16 Brazilian states, the business has a team of 21,000 employees trained to serve its 40 million customers.

#### **Pallet racking**

The Magazine Luiza warehouse includes 15 blocks of double-deep pallet racks that are 94 m long and 11.9 m high, letting more than 15,300 pallets of different sizes be housed. Overall, this set of racks fills a 7,050 m<sup>2</sup> area.

Pallet racks offer this business an extremely versatile solution that slots any type of unit load, with differing weights and volumes



This storage system is highly suited for storing the large variety of pallets that Magazine Luiza utilises. Likewise, the direct access to all the SKUs provides exceptional flexibility when managing goods and preparing orders.

Due to this large variety of pallets, the rack levels were adjusted to the type of goods being stored and to its operations. Picking is done directly off the pallet on the lower rack levels, leaving product reserves on upper levels. Operators run reach trucks to handle pallets on top levels.

Frontal rack uprights were reinforced to improve safety levels of the racks that coincide with the emergency exit aisle. This safety measure focuses on cutting down on possible buckling caused by blows from warehouse equipment during load handling operations.

The racks are fitted out with two, 3.4 m wide underpasses that cross the blocks transversally. These streamline workflows and also serve as emergency exits





### Advantages for Magazine Luiza

- **High storage capacity:** the Magazine Luiza installation can hold 15,300 pallets in a 7,050 m<sup>2</sup> surface.
- **Diversification:** the provided solution can store a huge variety of products of different sizes and weights.
- **Direct access to goods:** the pallet racks offer direct access to the deposited SKUs, which facilitates stock management and picking tasks.

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### Technical data

Storage capacity	15,381 pallets
Pallet size	1,000 x 1,200 mm
Max. weight per pallet	600 kg
Max. racking height	11.9 m

