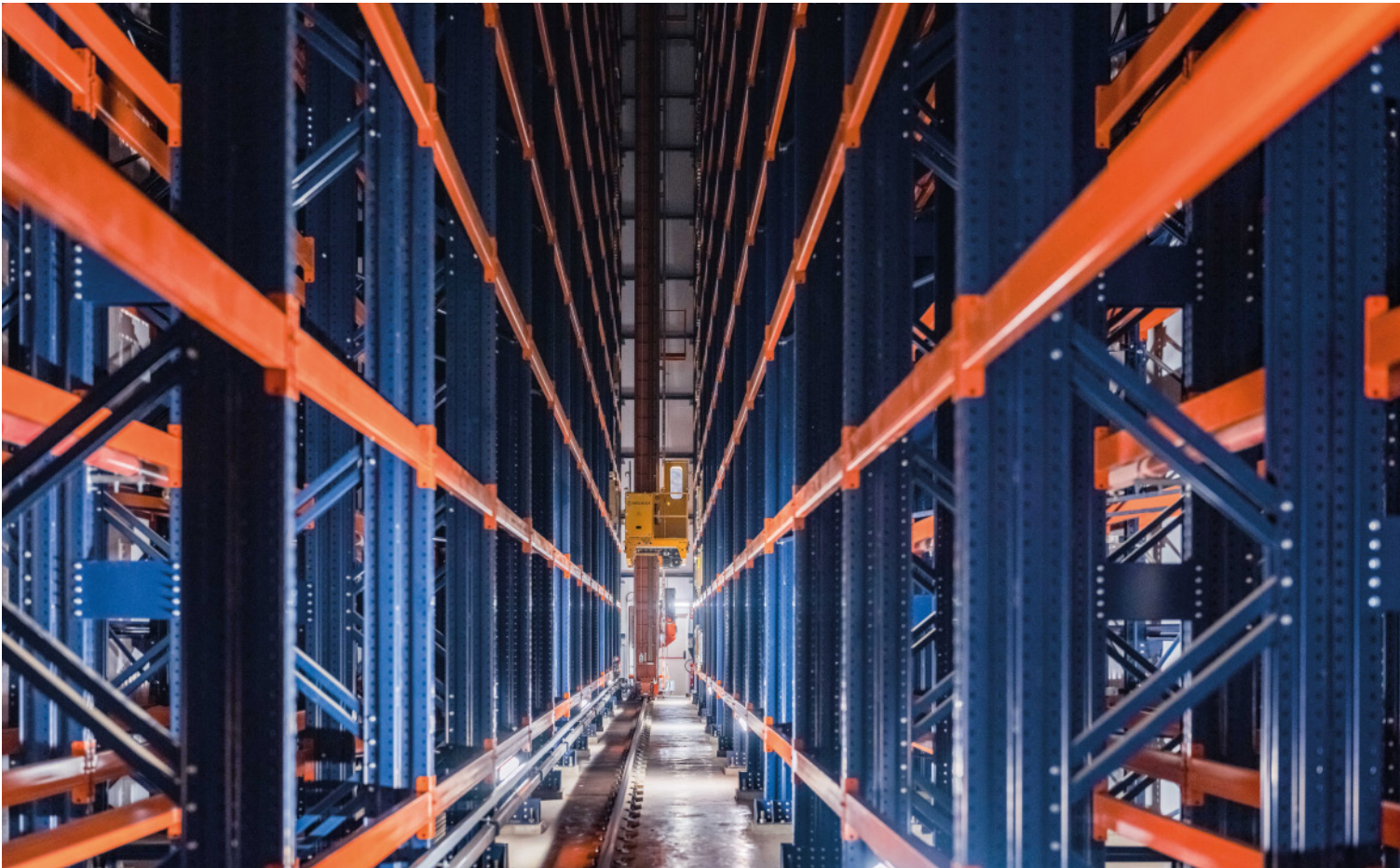


A stacker crane to service production

Electrical transformer manufacturer IMEFY has centralised the storage of its raw materials and parts in an automated warehouse from Mecalux.

Country: **Spain** | Sector: **component & machinery manufacturers**



CHALLENGES

- Consolidate all IMEFY warehouses into a single logistics facility.
- Streamline the management of goods — some perishable — and facilitate material availability.

SOLUTIONS

- Automated rack-supported warehouse for pallets.
- Easy WMS warehouse management system.

BENEFITS

- Improved inventory control, faster receipt of raw materials and reduced material handling.
- Increased space for manufacturing tasks after centralising warehouses into a single facility.



IMEFY is a manufacturer of electrical transformers for various industrial applications. Its highly efficient solutions are approved by numerous electric companies worldwide. At its headquarters in Los Yébenes (Spain) spanning 69,000 m², it manufactures dielectric-liquid-immersed, epoxy-resin-encapsulated and power transformers that meet environmental sustainability norms and the rigorous tests required by international standards.

» **Founded: 1973**

» **No. of employees: 200+**

» **Clients: 2,000+ in 80 countries**

» **Production capacity: 13,500 transformers/year**

Due to their large size, the items made by electrical transformer manufacturer IMEFY cannot be housed in conventional storage systems. Nevertheless, the company succeeded in increasing its production capacity with an automated warehouse from Mecalux. The 24-metre-tall, 80-metre-long facility accommodates the raw materials that the family-run business has used to manufacture transformers for the energy industry since it was founded in 1973.

“We decided to unify our operations in a single automated warehouse. Our goal was to have greater control over inventory and speed up the management of raw materials. We also needed to prevent them from deteriorating when moving them from one space to another,” says Armando Fontecha, Chief Operating

Officer (COO) of the company based in Los Yébenes (Spain) and with locations in Italy and Poland.

Consolidating the multiple warehouses spread out across different areas of IMEFY’s 69,000 m² centre into one building has significantly cut down on travel between the various production zones. Moreover, it has enabled the business to manage its perishable and non-perishable products using the FIFO (first in, first out) method.

This new space built by Mecalux is a rack-supported warehouse. It consists of the load-bearing racks, the roof and the sides of the building. They form a high-density structure that stores up to 4,854 pallets. The clad-rack system features a double-deep stacker

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“Mecalux offered us an all-in-one installation service, saving us from coordinating multiple suppliers. Plus, their customer care has always been top-notch.”

Armando Fontecha
COO, IMEFY





crane and three input and three output points. The manufacturer made the decision to implement this solution in consultation with Mecalux's technical team. The intralogistics specialists analysed the quantity and type of pallets IMEFY wanted to store, the number of anticipated goods-in/goods-out movements and the space available for the installation. They determined that logistics automation was the best option for this benchmark company, which has been transforming energy for over 50 years.

Rack-supported warehouses make the most of available surface area. This solution has enabled IMEFY — currently expanding its production facilities — to free up space previously occupied by its old warehouses. “We implemented these upgrades to increase our capacity to manufacture distribution trans-

formers for our clients, the leading European electric companies,” says Fontecha. The company started out making distribution transformers cooled in dielectric liquids. Today, it also produces epoxy-resin-encapsulated and power transformers and has sold over 200,000 units to 2,000 clients in 80 countries.

IMEFY had relied on Mecalux's manual racking solutions for many years. It chose the intralogistics specialist again to implement this warehouse due to its ability to support clients throughout the project life cycle. “Their customer care has always been top-notch. For the rack-supported warehouse, Mecalux offered us a comprehensive, all-in-one installation service, saving us from coordinating multiple suppliers,” says Fontecha.

Inventory management with Easy WMS

IMEFY employs the latest engineering technologies to enhance the quality of its products. Similarly, it uses Mecalux's Easy WMS warehouse management system to oversee 100% of its raw materials, slotted in the new rack-supported building. “The program is extremely intuitive and efficient. It also generates reports and real-time warehouse status graphs, along with historical data and analytics that are invaluable for optimal inventory management,” says the company, which dedicates significant R&D and innovation efforts to transformer manufacturing. Now, production has access to items such as cellulose insulators, aluminium conductors in strip or wire format and all kinds of accessories via its automated warehouse.