



7 things

you need to know when planning your racking

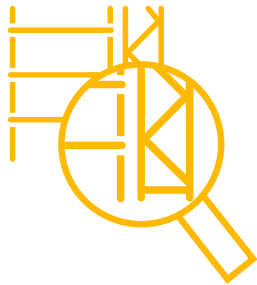
As a leading supplier of warehouse racking, we understand the complexity and importance of effective racking planning. You should consider these points in particular:

JUNGHEINRICH

01 Define storage strategy

FIFO, LIFO, or just-in-time: choosing the right storage strategy is crucial for the efficiency and smooth running of your warehouse. The storage strategy depends on the type of products, the demand, and the shelf life of your stored goods. A carefully planned strategy helps to minimise storage costs, use storage space more effectively, and improve the overall intralogistics process.

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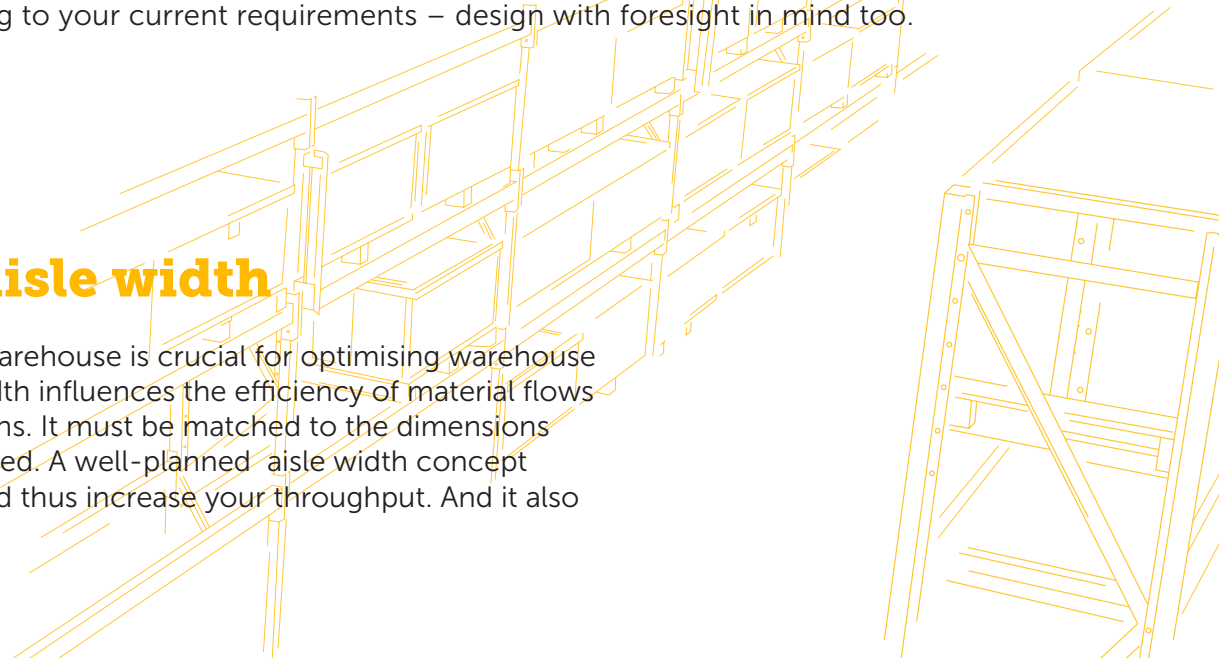


02 Determine bay and rack load

The bay load defines the weight that a racking segment can carry between two uprights, while the rack load specifies the maximum load for an individual rack. Precise calculation and observance of these load limits are essential in order to avoid overloading and to ensure the stability of the racking system. And you shouldn't limit your thinking to your current requirements – design with foresight in mind too.

03 Select the correct aisle width

Choosing the right aisle width in the warehouse is crucial for optimising warehouse operations and for safety. The aisle width influences the efficiency of material flows and the accessibility of storage locations. It must be matched to the dimensions of the material-handling equipment used. A well-planned aisle width concept can improve movement sequences and thus increase your throughput. And it also helps to prevent accidents.



04 **Comply with standards**

„It is important to have compliance with the standards and guidelines checked regularly by trained personnel.“

Compliance with standards in the design and use of storage racks is essential for safety in warehouse operations. These standards define in detail which requirements a racking system must fulfil in terms of load capacity and stability, and which safety precautions are necessary. They therefore contribute to the efficiency and protection of warehouse employees. In Europe, for example, the DIN standards EN 15512, EN 16681, and EN 15620 are relevant, as well as general guidelines for steel construction. In addition, DGUV Information 208-061 currently applies in Germany. It is important to have compliance with the standards and guidelines regularly checked by trained personnel. Certified experts from Jungheinrich can do this for you on request. And by the way, we are guided by the strictest standards in the world when designing and developing our racking systems.

05 **Create a security concept**

As safety in the warehouse is a top priority, you should take this into account from the outset when planning your warehouse. From installation to utilisation, the safety concept needs to include compliance with all local regulations and ensure the load-bearing capacity and stability of each racking system. Stability and integrity must be checked regularly. When developing and producing our racking systems, we emphasise compliance with the latest safety standards: for example, our pallet racking is certified with the RAL quality mark. You can extend your safety measures even further with options such as collision protection and rear wall grids.



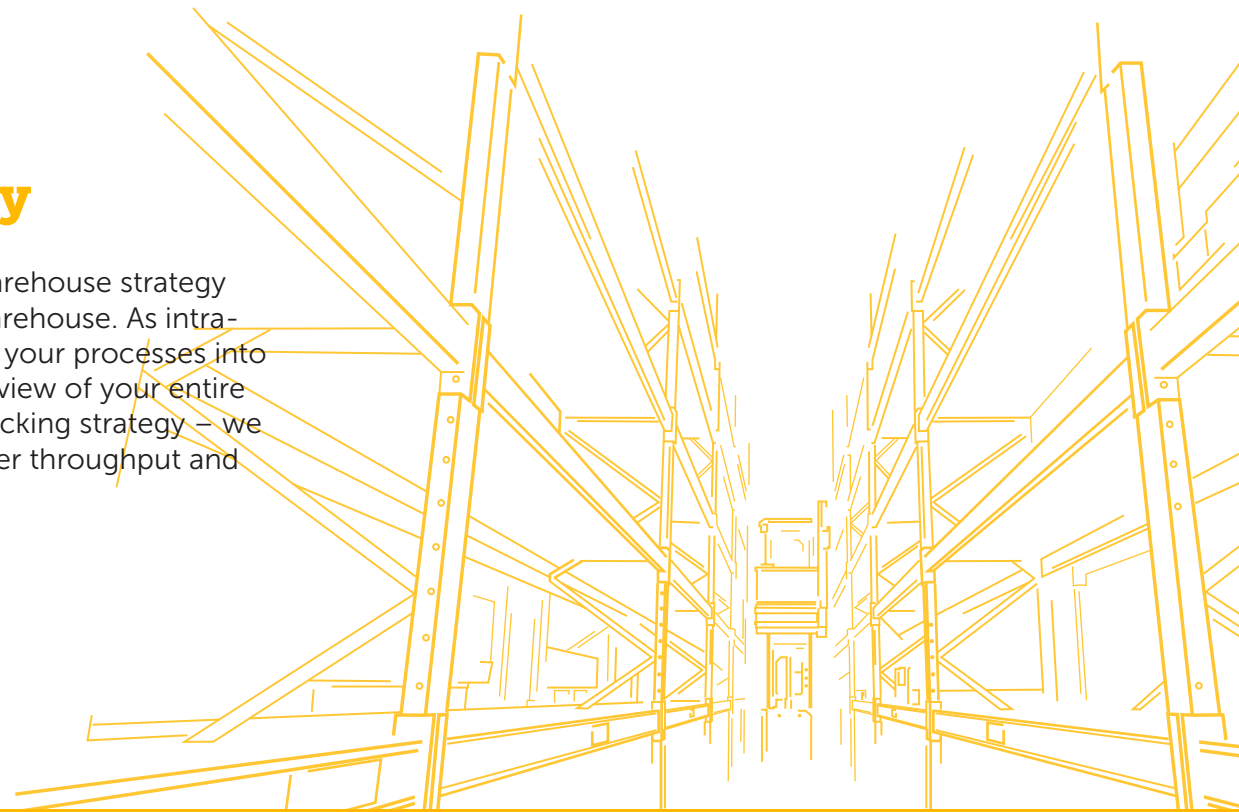
06 **Utilise financing options***

Racking systems are essential for the efficiency of warehouse operations and, in the best-case scenario, last for the entire life of the warehouse. A far-sighted investment in high-quality racking therefore also pays off financially. You remain flexible when purchasing, with various financing options helping to protect your company's liquidity.

*Service available in selected countries/sales unit.

07 Consider a holistic strategy

An effective racking concept and a well-conceived warehouse strategy go hand in hand and maximise the success of your warehouse. As intralogistics experts, we therefore also take your fleet and your processes into account for your racking solution. By taking a holistic view of your entire warehouse – from optimum space utilisation to the picking strategy – we create flexible racking systems that contribute to higher throughput and can be easily adapted to new requirements.



Don't have an answer to every question yet?

No problem. Jungheinrich will advise you individually on a racking concept that suits your warehouse.

Learn more: <https://www.jungheinrich.com.sg/products/racking-and-warehouse-storage>