



BMW

CREATEFUTURE

BMW New Spare Parts Center Dingolfing



The refined concept of the dynamic center is the foundation for fast, direct, efficient and global spare parts supply.

The realisation of the new dynamic center is the most important project in parts sales for the BMW Group in the last 30 years. On a site of 550,000 sqm, completely new logistics structures were created to supply the worldwide trading organization.

Fast-moving large and medium-sized parts are stored and handled in the ultra-modern distribution center. Every year, more than 4 million delivery note items are processed in a hall covering 117,000 sqm. This means that 6,000 cubic meters of BMW and MINI parts are delivered to regional distribution centers in Germany and abroad, as well as to importers and 300 South German dealers every day.

In addition to the highest principle of "profitable growth", the planning focused on service level and lead time. The BMW Group's market and product campaign also meant a new challenge for the distribution of accessories and spare parts.

The department was faced with an increase in parts positions of 50 %, amounting to 260,000 different items.

io-consultants' task was the concept and detail design of all logistical facilities in the new dynamic center, based on a data analysis, and the generation of the invitation to tender for storage and conveyor systems, and operating equipment. The concept is based on flexible processes for spare parts logistics which have been implemented using an optimal mix of modular shelf and conveyor systems, and integrated radio frequency based IT processes. The refined concept of the dynamic center is the foundation for fast, direct, efficient and global spare parts supply. The mixture of automated and manual movements ensures the greatest possible flexibility. A carefully considered combination of individual solutions carries the greatest benefits for the center.