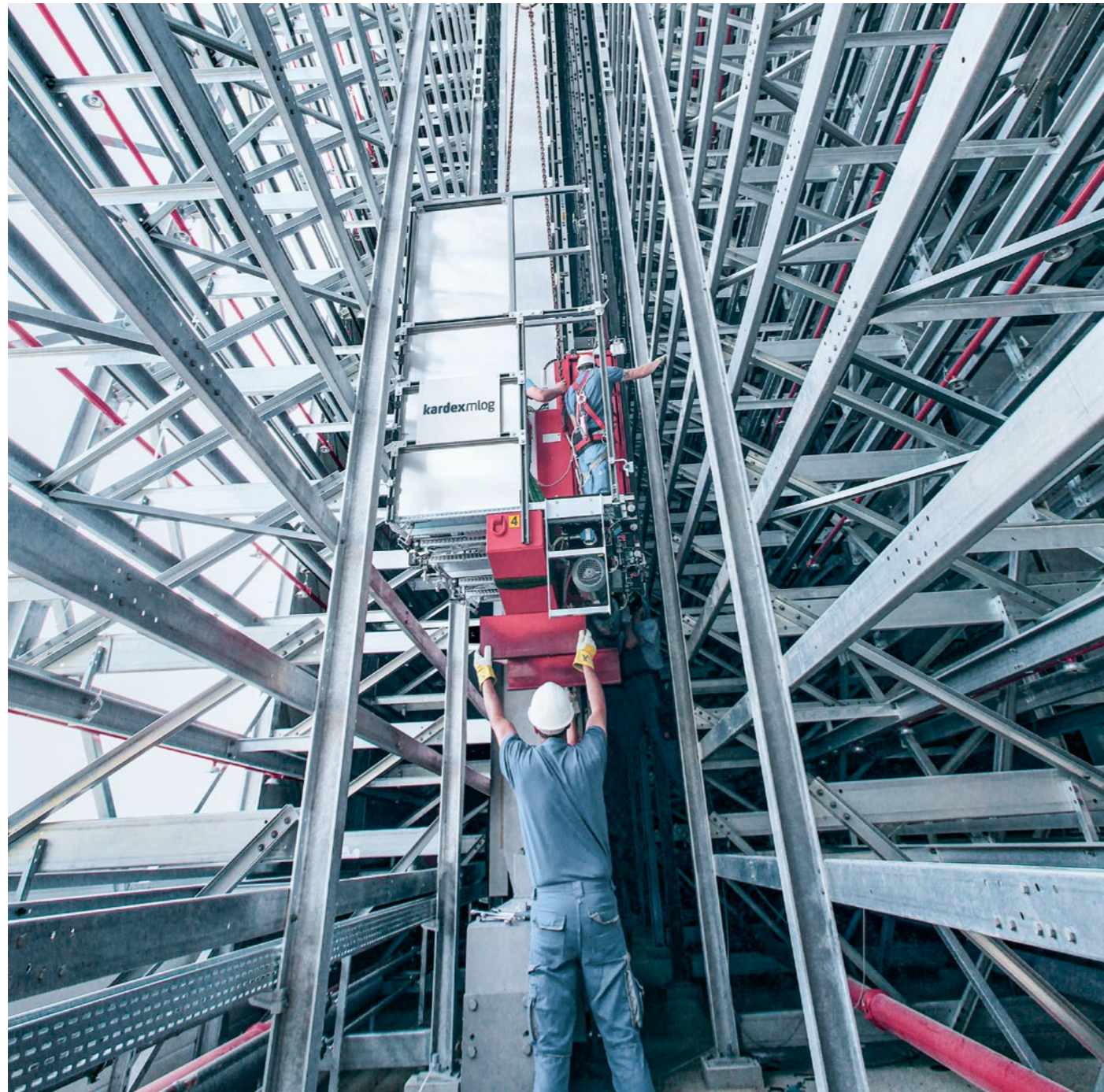


Case Study

# Intercontinental Twins





# Earthquake proof

## Customer and Task

"Internationalization for us means offering our customers the same levels of service and quality overseas as they are used to in Germany", is how Boysen CEO Rolf Geisel summarises the key aspects of the overseas business. The company operates from twelve locations in Germany and abroad and relies on proven partnerships to support its growth.

Boysen and Kardex Mlog can look back on more than ten years of collaboration in Europe. Kardex Mlog took advantage of an international trial project to prove its capacity to handle overseas orders.

## Solution

The company's two two-aisle, high bay warehouses in the USA and South Africa differ primarily with respect to their racking construction. In Alabama, which is subject to significant tectonic activity, the racking installed is earthquake proof.

Storage and retrieval take place via conveying lines and a vertical conveyor, which connects the conveying system on the ground floor with the storage/retrieval technology on the platform. The first aisle is served by an MSingle SRM with 15 kN. The second aisle has a two-mast SRM of type MTwin 2500/21, which can handle heavier loads of up to 25 kN. Using individually switchable prongs, the telescopic fork of the device can also lift special containers.

Control is based uniformly on S7 standard, and the material flow is coordinated by a warehouse management system.

## At a glance

### Greater security and decreasing costs with two almost identical warehouses

The Boysen Group, specialists in exhaust technology, commissioned Kardex Mlog with the construction of two two-aisle, high-bay warehouses at its locations in Tuscaloosa (Alabama, USA) and East London (South Africa). The two plants are almost identical. This approach is similar to that employed by the major automotive companies: Costs decrease and security increases.

3,100 and 3,631  
pallet storage  
spaces

Efficient  
material flow

Remote  
maintenance by  
specialists



### Scope of delivery



2 almost identical, two-aisle, high-bay warehouses with 2 SRMs (1x MSingle and 1x MTwin 2500/21)



Conveying systems and vertical conveyors



Warehouse management system, extensive sensors and control system