

Central Distribution Center Danfoss, Røddekro/Denmark

References

Nº 16





Automated Distribution Center Ensures Speedy Deliveries

Initial Situation

Danfoss is Denmark's largest industrial enterprise. The international group of companies ranks among the leaders when it comes to research, development and manufacture of mechanical and electronic components for various industrial sectors. viastore systems was selected as general contractor to build the group's new distribution center.



System Solution

The warehouse has a floorspace of approximately 20.300 square yards (17,000 sq. m) and is divided into four different areas. The first one accommodates the goods receiving and shipment areas while the second one houses the re-packing, picking and packing stations as well as the order consolidation area. The third area consists of the ten-aisle, double-deep and more than 49 feet (15 m) high automated container warehouse and finally the fourth and last area is a narrow-aisle system for approximately 14,000 Euro pallets with 10 goods receiving, re-packing, picking and packing stations.

The Result

With this automated distribution center in the south of Denmark, Danfoss is able to handle the logistical requirements of most of its divisions and has thus improved the delivery quality and availability of its goods. The **viad@t** warehouse management and material flow control system including visualization ensures smooth operation.

Scope of Supply:

- Planning and projection
- General contractor
- S/R machines
- Warehouse management system with SAP/R3-LES connection
- Material flow control system
- System visualization
- Container and carton conveyor systems
- Pallet conveyor system
- Picking and packing stations

Essential Features:

Warehouse floorspace:
20.300 sq. yd. (17,000 sq. m)

Automated container warehouse:
10 **viaspeed** S/R machines with belt transfer, double deep
100,000 container storage locations
Container size: 2 x 1.3 ft. (600 x 400 mm)
Height: 49 ft. (15 m)

Narrow-aisle warehouse:
17 aisles
approx. 14,000 pallet storage locations
6 picking and packing stations
4 goods receiving and re-packing stations