

Warehouse de luxe

DB Schenker provides even more speed, quality and flexibility to e-commerce – with the CarryPick system. This is how it works



1 A customer places an order with Lekmer.com using a tablet – one of around one million orders the online toy retailer receives every year. All of these orders are prepared for dispatch by DB Schenker in Arlandastad near Stockholm.



2 The order flows directly into the CarryPick system. To ensure the faultless flow of all data, IT experts at DB Schenker have linked the company's business software with their own warehouse management system.



3 A transport robot is instructed to move to the shelf containing the item ordered by the customer. The vehicle zooms off at a speed of up to 90 meters per minute, guided by QR codes on the ground.



4 The compact vehicle shoulders the shelf and drives it to one of the workplaces. This functions so well because the shelf units are only two meters tall and easy to maneuver.



5 An employee "picks" the goods; mistakes are virtually eliminated. The item is immediately packaged or conveyed to the packing machine directly next to the truck dock. DB Schenker's responsibility ends here.



6 A parcel service delivers the item to the customer – within the catchment area of Stockholm, Scandinavia's largest conurbation with a population in excess of two million, delivery is often on the day of the order.

First entire installation in the world

The facility was commissioned in fall of 2015

24/7 operations during the holiday season

2

65 electrically operated transport robots

3

Packing machine

4

1,500 mobile shelves with a total of 50,000 bays

High-rack storage for large items

5

7 work stations, one for deliveries and returns

Outgoing goods

Incoming goods

Benefits

Fast
Significantly higher picking capacity than manual systems

Sophisticated
Technical support for maximum picking quality

Efficient
Can be operated by qualified permanent staff without the need for casual workers even at peak times

Compact
15 % lower space requirement than a manual facility

Flexible
Can quickly be enlarged or reduced at any time

Climate-friendly
No heating or lighting necessary in the storage section

