

Case Study

# Simple and Scalable Automation in 3PLs





# Optimised processes

## Customer and task

For this global customer, DHL Supply Chain needs to handle an average of 200,000 order lines at receiving and about 400,000 order lines at picking over 35,000 SKUs, yearly. 40% of the daily shipments are urgent orders to the customer's various dealers in the world.

The solution had to be reliable, scalable and easy to use, given the high turnover of operators.

The timeline was critical. Even though this project included integrated fire protection, it had to be delivered within 6 months.

## Solution

For small items, Kordex installed 6 Kordex Miniload-in-a-Box, 20 m long and 12 m high, with 15,000 VBM boxes. For medium and large items, 3 Kordex Shuttles with more than 1,100 locations have been installed.

The system is controlled by the WCS PPS and its Put & Pick to Light module, with its fully automatic batch mode and replenishment by Pickeos trolleys interfaced via Wi-Fi.

Thanks to this new approach to order preparation, DHL Supply Chain has reached 800 replenishment lines carried out by a single operator per day, and 1,500 order preparation lines carried out by two operators.

DHL has deployed the Kordex technology as part of its Accelerated Digitalization efforts to bring proven automation and robotics technologies to further improve its operations for their customers. In one year, DHL Supply Chain has exceeded its productivity targets. The DHL requirements were simplicity, speed, efficiency and productivity. And Kordex did it!

## Case at a glance

### Quick implementation of Kordex solutions for simple, effective use.

DHL Supply Chain, a 3PL based in the Paris area, offers logistics services for the spare parts storage and order fulfillment. In 2023, to ensure a high-quality service for a new customer, a world leading manufacturer of equipment for construction and agriculture. DHL Supply Chain had to implement cutting-edge technology, capable of managing 35,000 spare parts for its customer's dealer located in Europe and Africa.

Very  
intuitive  
easy to use

High picking  
speed

Customer  
satisfaction





### Scope of delivery



6 Kardex Miniload-in-a-Box, Vertical Buffer Module for storing small parts  
W: 2350 mm | D: 20000 mm | H: 12000 mm

Kardex VBM boxes for optimal storage space



3 Kardex Shuttle, Vertical Lift Module for storing medium and large items  
W: 813 mm | D: 3650 mm | H: 9950 mm



Pick & Put to light system, easy picking operations with very few errors  
WCS controlled system, ensures up-to-date and transparent stock