

<b>Storage</b>
<b>Order Picking</b>
<b>Handling &amp; Automation</b>

# Case Study 051

## Maintenance



EFFICIENT ORDER PICKING OF AIRPLANES AND HELICOPTER PARTS

## The Customer

Fokker Services is part of Fokker Technologies. The company supplies integrated maintenance services, logistics programs and parts availability programs to aircraft owners and operators. Fokker Services operates from three facilities in the Netherlands; Woensdrecht, Oude Meer and Hoofddorp and internationally from facilities in Singapore and the USA.

Further Information:  
[www.kardex-remstar.com](http://www.kardex-remstar.com)



**1**

## Task definition

The Fokker Services warehouse in Hoofddorp is state-of-the-art in design. But the goods were stored on shelves spread over the ground floor and upper floors. Order picking was done manually and people often had to walk 60 meters for each item. The warehouse required optimization in order to effect two major improvements: Because the number of items will increase significantly in the future, the storage capacity will need to be extended too. In addition, order picking also had to become more efficient. The intended result is an increase in performance combined with a reduction in operating costs.



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## Solution



The solution was found in a so-called "goods-to-person" system. For this purpose, Kardex Remstar recommended three Shuttle XP 250. The vertical lift systems currently stock 7,000 part numbers, which can increase up to 14,000 part numbers. The order files are supplied by the Pentagon ERP software of the customer. Power Pick Global (PPG), the warehouse management software of Kardex Remstar, imports these order files and provides the storage locations in the Shuttle units. After the storing and retrieval process, PPG reports back to the Pentagon ERP automatically. For high-speed picking the customer also uses dual retrieval: Two trays arrive shortly one after the other in the access opening to be picked in a parallel process. Supported by PPG, the customer is also able to weigh the parts instead of counting the parts. This is much faster and accurate.

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## Advantages at a glance

- Picking frequency four times faster
- Increased storage capacity: 14,000 part numbers on only 35 m<sup>2</sup> floor space
- Saved space: 2,000 m<sup>2</sup>
- Less travel time
- Error-free order processing
- Two-year ROI

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## Process description

We would be delighted to explain the various processes to you in person.

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## Scope of delivery

- 3 Shuttle XP 250 (W x D x H: 3,380 x 3,074 x 10,550 mm), each with 117 trays
- TFT display with order information for each access opening
- Light indicator system
- Kardex Power Pick Global warehouse management software
- Bi-directional interfaces to the customers ERP



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