



E-commerce & Mechanisation

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E-Commerce and Mechanisation

- Consafe Logistics: Supply Chain Execution

- E-commerce:
 - Rising interest
 - Small number of orderlines
 - High speed in the operation
 - Need for accuracy
 - Returns

- Case: Kardex e-commerce solution & WMS
 for small articles

Case Study – Highlights

- Picking
 - Case picking
 - Conventional in racking
 - Piece picking (in boxes for conveyor loop)
 - Kardex & Pick-to-Light: 8 High Speed Shuttles of 12 metres high
 - Flow racks & Pick-to-Light
- Partners for this project: :

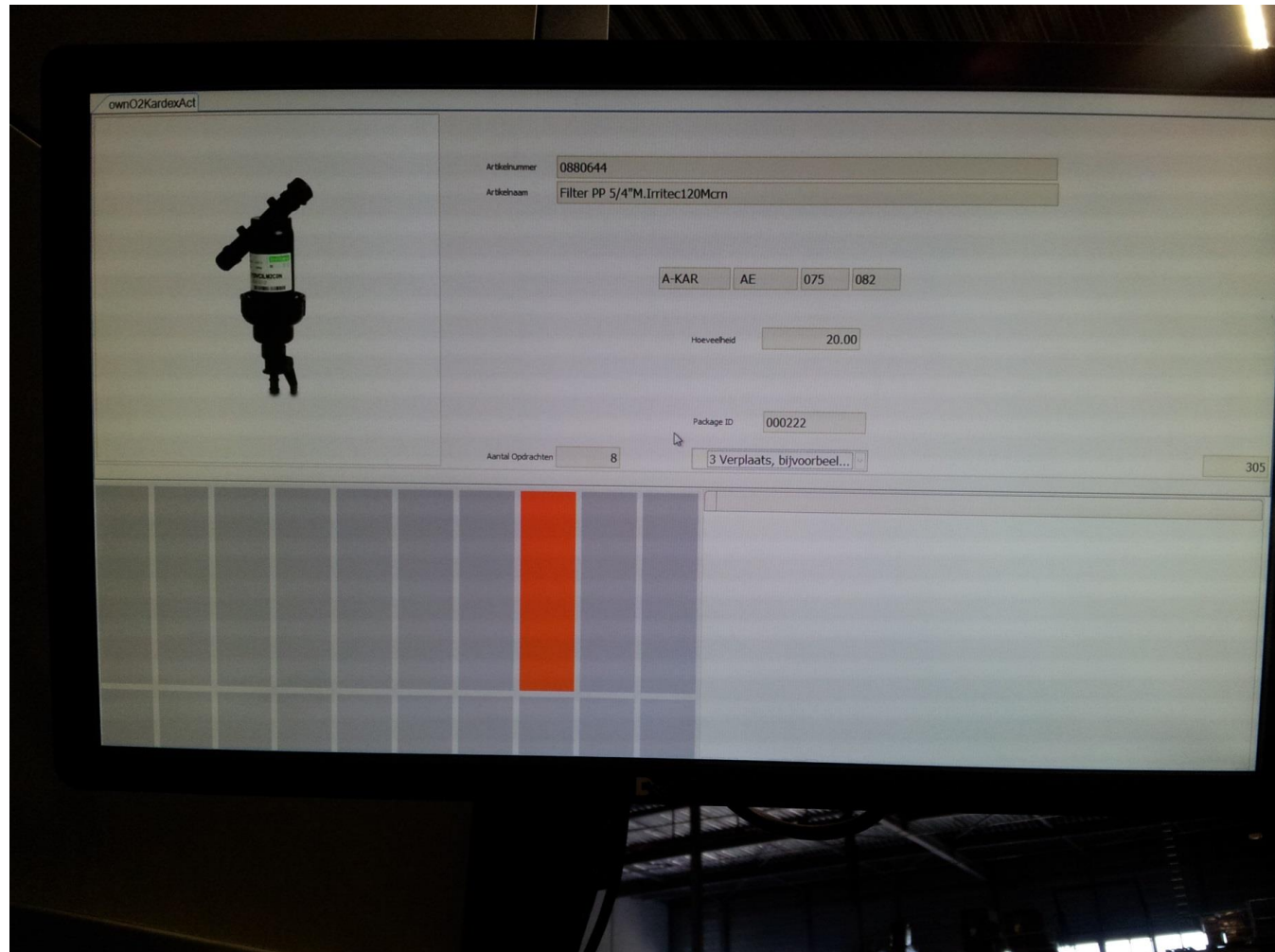
kardexremstar



Piece pick / Kardex & multi-order pick



Piece pick / Kardex & Astro Shuttle dialogue



Piece pick / Flow rack & Pick-to-Light



Internal Logistics

Concept is based on:

‘Goods to the man’ principle

- Pick and Put to Light system
- Dynamic, continuous and automatic orderproces
(batchproces & crosspick)
- Automatic and continuous inbound – and outbound proces
- Conveyor belt, controlling the movements of the boxes

→ *flexible, fast, compact, errorless system*

→ *stock accuracy*

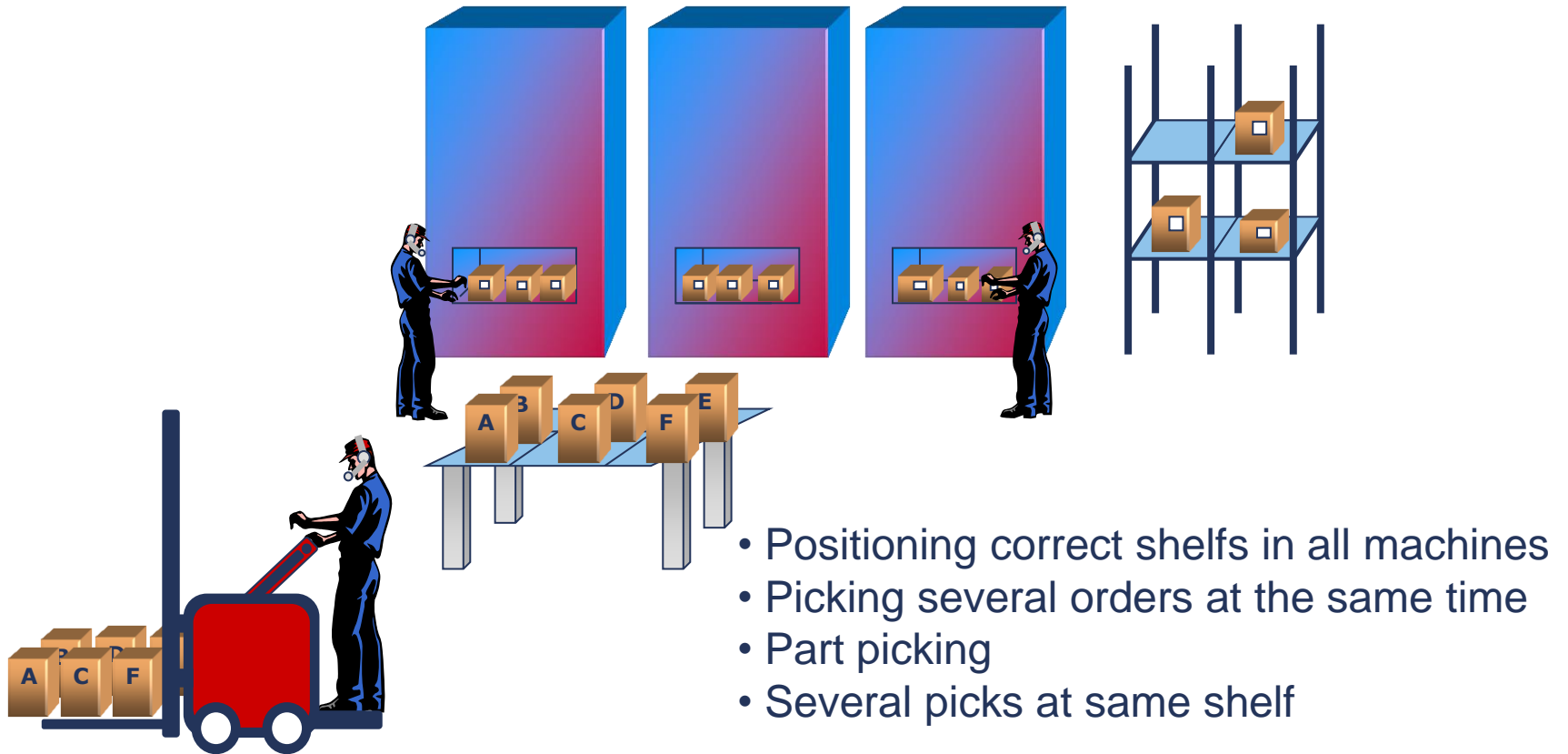
→ *savings on FTE*

High performance possible because of:

- fast movements of the shuttle trays of Kardex
- the unique double tray system, even as the use of the Kardex Cross Picking concept
- the WMS being in control of order management, the articles and location management in the shuttle-systems



Goods Out / Picking – ‘Shuttle’



Joined intelligence results in a unique semi-automated solution



Make the job simple

Astro WMS organises the working processes. Your operational costs will reduce and you will have full control over the activities.

