

## Oil & Gas

Keeping Your Manufacturing and Drilling Operations Flowing



## Fast access to critical parts



### Quick access

Kardex Remstar offers a broad selection of automated storage and retrieval systems to keep oil and gas operations flowing smoothly. Our systems provide organized and secure parts storage ensuring maximum part availability.

### Speed and accuracy

With the push of a button parts are delivered to the operator for picking and immediate shipment, eliminating time spent walking and searching through shelves. Pick to light technology directs the operator to the exact pick location, increasing accuracy up to 99.9%. Faster access to parts and higher pick accuracy maximize oil and gas manufacturing and drilling efficiencies.

Driven by an increasing demand to lower prices, oil and gas companies are operating under a strong competitive pressure. Remote locations combined with tight drilling schedules make

access to parts a decisive factor in success. From rig manufacturing to drilling productivity: inventory shortages, damaged parts or incorrect shipments can bring drilling operations to a standstill.

## Order Picking

**When speed matters... in situations in which every minute counts and accuracy becomes an issue, we can make your distribution run smoothly.**

Multiple inventory management techniques including batch picking, pick and pass, parallel picking, static or dynamic batching, host-directed batching and many more can be incorporated in order to make your order processing run exactly according to your needs.

Our solutions are designed to be modular and can be integrated in stages into any workflow, regardless of its current level of automation.



## Shuttle XP



### High-density storage in a compact footprint

The Shuttle XP has been designed to meet a broad range of storage and retrieval application requirements in manufacturing, distribution, retail and warehouse operations. The combination of storage density, flexibility, effectiveness and security makes it a unique storage solution. Trays are automatically delivered to the access opening at the push of a button or a scan of a bar code. The device is modular in its construction allowing the height and number of access openings to be adjusted post construction. By utilizing existing ceiling height, up to 85% of occupied floor space can be recovered. The height of each tray is automatically scanned to find the ideal storage location within the system using the least amount of possible space.

## Megamat RS



### Maximum storage space on a minimal footprint

Kardex Remstar has thoroughly refined the Megamat system, which has been proven over decades of use. The compact design ensures maximum storage space using minimal floor space. Shelves or drawers rotate up or down via the shortest path to automatically deliver stored items to an operator at an ergonomically positioned work station. Every Megamat RS can be used as a standalone solution or integrated with software.

## Case study: Order picking for manufacturing



### The Customer

National Oilwell Varco is the leading provider to the oil and gas industry and is dedicated to providing the highest quality oilfield products and services.

1

### Task definition

The company wanted to improve their warehouse operations and organize parts picking for maximum efficiency.

2

### Solution

The warehouse was redesigned to include three Shuttle XP with pick to light technology.

3

### Advantages at a glance

- Increased productivity by 44%
- Improved ergonomics

4

### Scope of delivery

- 3 Shuttle XP 500
- Pick to Light
- Warehouse Management Software Power Pick Global

## Software Solution Power Pick Global

Flexible Warehouse Management Software for intralogistics solutions.

Power Pick Global is a user friendly Warehouse Management Software designed to enhance intralogistics solutions by providing complete inventory management. Combining dynamic storage systems with Power Pick Global maximizes storage density, reduces pick times for greater productivity and increases pick accuracy.

The software can optimize space within the unit, create pick sequences, prevent out of stock inventory shortages and provide easy real time reporting. With a modular structure, Power Pick Global can meet a customer's requirements – today and in the future.

It can be tailored to various requirements and meets the highest quality standards. Designed as a base package with multiple add-on options, Power Pick Global can be customized to meet the exact needs of each application.

### Why choose Power Pick Global?

#### Efficiency

Power Pick Global helps lower processing times, sequences order picking and assists with time optimized unit movement to increase throughput.

#### Accuracy

From standard validation via barcode, handheld scanner, weight control or pick to light technology, Power Pick Global



reduces picking errors, increasing accuracy to up to 99.9 %.

#### Security

Individual user and group rights can be controlled and managed, each transaction can be tracked.

#### Integration

Based on the latest windows technology, Power Pick Global can be easily integrated with your current ERP or host system.

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