

Kardex Remstar Horizontal

An efficient solution for fast storage and picking



Kardex Remstar Horizontal: Save time through rapid, direct and reliable access



The Kardex Remstar Horizontal is designed for fast, reliable and efficient high speed picking. Whether in production or distribution, for applications requiring high throughput or for medium and slow-movers:

Horizontal Carousels are the perfect solution.



Kardex Remstar Horizontal: Because fast access and efficiency matter.

Efficient storage and retrieval system

Fast reaction times, increased throughput and short delivery periods – these are only a few of the criteria distribution centers require for modern and efficient warehouse logistics. It is exactly at this point that automated Horizontal Carousel systems from Kardex Remstar come into action: they provide minimal wait times and high accuracy, allowing orders to be processed in the shortest possible times.

By installing the Kardex Remstar warehouse management software, you create the right conditions for more efficiency in your picking processes. More transparency and flexibility are added to the accurate storage and retrieval of items – even in peak times.

“Goods to person” principle

Whatever you store – a reliable and efficient storage and retrieval system significantly reduces labor and warehouse costs. Like any other storage system from Kardex Remstar, Horizontal Carousels work according to the “goods to person” principle and deliver the requested items in the shortest possible way directly to the access opening – without any unproductive travel and search times. Combining several orders into a batch will increase picking efficiency to another level.

And one more benefit: all horizontal units that belong to one station work simultaneously. This guarantees permanent goods access and reduces waiting times to a minimum.

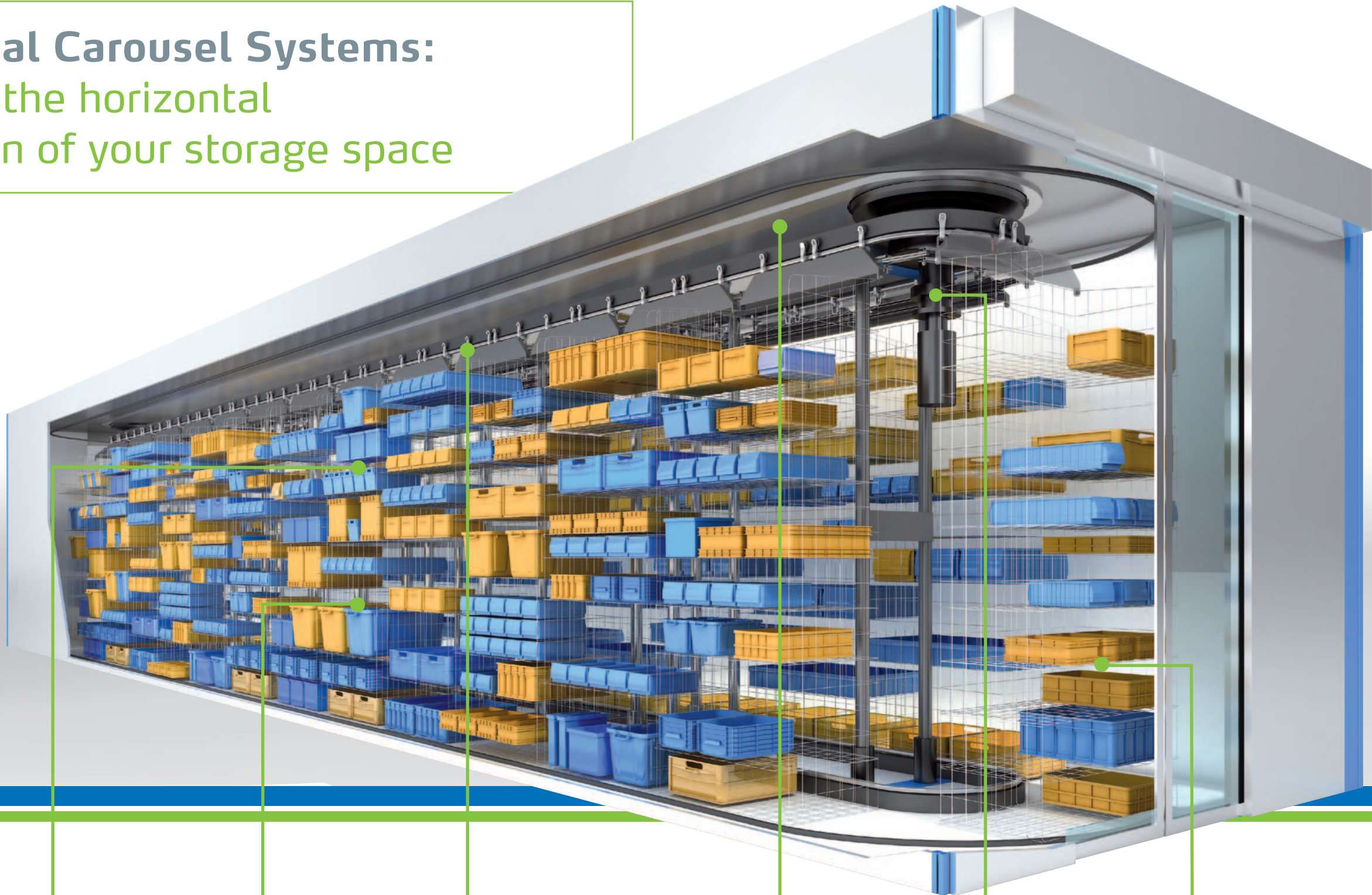
The benefits at a glance:

- Higher picking performance
- Minimized waiting times
- Greater accuracy through pick-to-light technology
- 24/7 availability



Further information:
www.kardex-remstar.com

Horizontal Carousel Systems: Discover the horizontal dimension of your storage space



1

Carrier payload:
450 kg, 680 kg,
900 kg.

2

The useable carrier height
of the Horizontal Carousel
system is between 1.80 m
and 3.65 m

3

Robust, reliable and low-
maintenance unit due to its
self-lubricating bearings.

4

The Horizontal Carousel
can be between 2.20 m
and 4.10 m high

5

The motor inside the
unit allows multilevel
stacking.

6

Rotational speed:
24 m per minute.

Technical data

Unit dimensions

Carousel length:
from 5,850 to 51,620 mm
Number of carriers:
from 16 to 100

Carrier

Carrier width:
622 mm, 825 mm, 960 mm
Carrier depth:
460 mm, 560 mm, 610 mm
Carrier height:
1.854 bis 3.658 mm

Load-bearing capacity

Payload per carrier:
from 450 to 900 kg
Payload per shelf: 90 kg

Performance Data

Rotational speed: 24 m/min
Motor: from 0.75 to 2.2 kW

Adjustment pitch

Standard: 76,2 mm
Other pitches available
on request

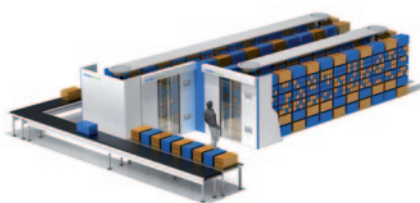
Kardex Remstar Horizontal:

For higher performance and fast delivery times

To achieve maximum picking performance, Horizontals are usually arranged in stations. Depending on the installation size and conception, a number of different unit applications are possible:

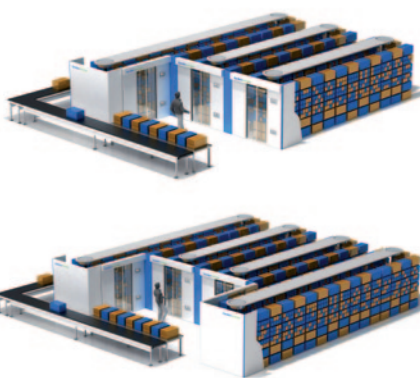


Dual stations



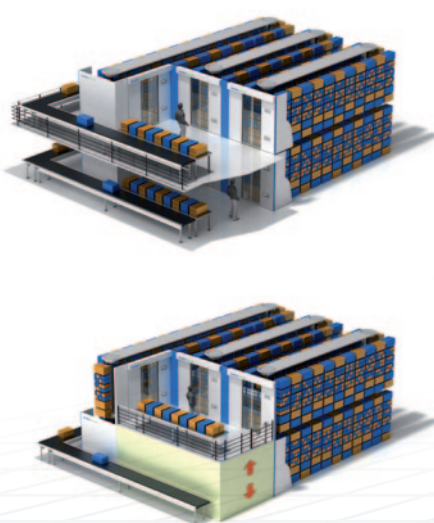
Two Horizontals with the access openings arranged at right angles to each other create a dual station and can be comfortably operated by just one person.

Triple and quadruple stations



Triple stations or quadruple stations are recommended for applications with a wide range of items that require frequent access – the layout is usually L-shaped.

Multilevel stations



For more comprehensive systems, multilevel stations can meet the requirements of a great variety of different material flow strategies. Multilevel stations – two or three Horizontals stacked one above the other – allow for picking and putting on different floor levels. Each level operates independently; with separate access and picking stations located at each floor level and on each platform. For uninterrupted material flow between the different levels, conveyors can be used to transport items.

A Horizontal Carousel Tall Station utilizes the available room height. A lifting

platform always brings the operator to the ideal height for ergonomic access to the stored items. To optimize time management, the height of the Horizontal Carousel is divided into zones by the inventory management software so that all items in one zone are picked before the lifting table moves to the next zone.

As you can see yourself: the variety of possible combinations with Horizontals from Kardex Remstar is virtually endless. Our experts will gladly meet with you to find the solution best suitable for your individual requirements.



Operator terminal

Pick lists on paper, excessive time spent searching, incorrect deliveries and stock shortages are a thing of the past: the operator terminal provides the operator with the necessary information to allow for fast, easy and paperless picking. The ideal terminal consists of a touch screen, digital information display – Pick-by-Light, for example – and confirmation buttons. With software from Kardex Remstar, peripheral devices such as printer, scanner and other display panels easily integrate into the system.

Safety standards in Europe

Safety first! All products from Kardex Remstar fulfil this requirement- and our Horizontals do not make an exception here: All systems are closed from all sides and surrounded by a protective fence preventing accidents and unauthorized access to the stored goods. An on top of that, the access area at the unit front is equipped with automatically opening and closing safety doors.



Information on other applications can be found by clicking of the reference area of our website: www.kardex-remstar.com

Kardex Remstar Horizontal:

8 good reasons to choose the Horizontal

Benefit: Efficiency

With the „goods to person“ principle, the requested items are transported to the operator – rapid, direct and reliable – without any unproductive travel and search times. The Horizontal always takes the shortest path to the access opening. Integrated pick-to-light technology shows the operator which goods and what quantities to pick.

Benefit: High payloads

The Horizontal is capable of storing items with a maximum payload of 55 tons. The load-bearing capacity is chosen according to the application.

Benefit: Batch picking

Paperless picking is possible while delivery notes and other relevant documents can continue to be printed. The warehouse management system combines several orders into a picking batch via PC control, allowing operator to pick multiple orders with reduced drive cycles.

Benefit: Save space

Items are stored compactly in a confined space; this eliminates unproductive travel and picking routes within the warehouse. The actual picking zone is as small as 5 to 10 square meters.

Kardex Remstar's formula for success: optimizing your productivity and increasing your throughput while reducing space requirements and achieving greater transparency in your warehouse

Benefit: Reliability and compact design

From development, manufacturing to customer service: The Horizontal is a compact, reliable, low-maintenance unit with nearly 100 % availability – ensuring consistent and long-term operational safety.

Benefit: Flexibility

Different items can be stored in the Horizontal Carousel. There is also space for bulky items – up to the entire carrier height.

Benefit: Adaptability

To achieve high throughput during peak times and meet seasonal picking requirements the system can be divided into different stations at the push of a button. A station of 4 Horizontal Carousels can be operated by one person, and during peak times be operated by several operators at the same time.

Benefit: Pick Performance

The Horizontal automatically and reliably processes even complex orders in the shortest possible time: one operator works off 200 to 400 positions per station and hour. Every order usually comprises up to five positions, an order batch consists of between five and ten single orders.

Increase your success and optimize your throughput with pick-to-light technology by Kardex Remstar!



No matter if it's about storing or picking items: The factors that decide on the outcome of your work processes are accuracy and speed. With pick-to-light technology you can optimize your workflow – and achieve greater efficiency.

Pick-to-Light systems by Kardex Remstar provide the operator with four main functions:

1. Storage and retrieval of items
2. Allocation of articles and orders
3. Information flow (quantity, description, etc.)
4. Process confirmation

Pick-to-light display

Information on the exact position and quantity of items to pick is communicated to the operator through LED lights.

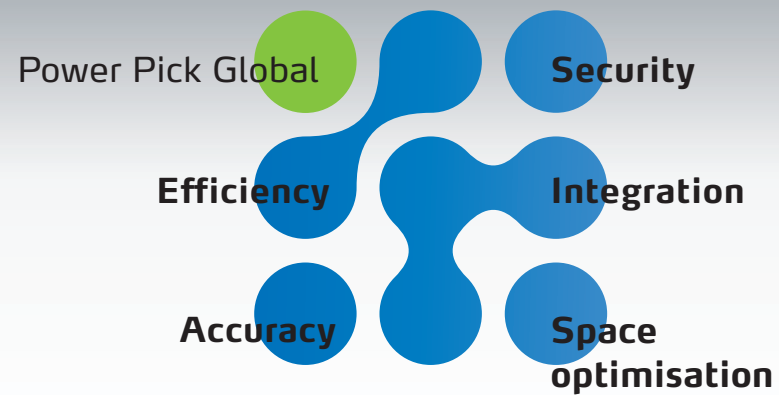
Put / Batch Lights

Put lights identify the quantity and relevant storage location for replenishing an item or distributing items among a batch of orders.



Kardex Remstar Power Pick Global: the software innovation for controlling storage and retrieval solutions

Functional principle of Power Pick Global



Functional and user-friendly Warehouse Management Software with modular structure.

Enhance your accuracy

From the standard validation via barcode, handheld scanner or weight control to a wide range of others such as Pick-to-Light, Put-to-Light, Laser/LED Pointer: Kardex Remstar Power Pick Global software assists the operator in working with greater accuracy.

Achieve greater efficiency of your warehouse processes

Power Pick Global helps you to lower processing times. It integrates PTL systems, optimises batch orders, multi-order picking and time-optimised movement of storage systems (HoriOpt) to minimise turnaround times and increase throughput.

When security matters

Thanks to the software integration, user and group rights can be controlled and managed; each access to the system can be tracked.

Wide range of software interfaces

From easy "Plug and Play" and middleware to customised solutions – all Power Pick Global software solutions are based on the latest Windows® technology* and can interface with the majority of tier one and tier two WMS and ERP providers.

Modularity

From the smallest store to a complex distribution centre: Power Pick Global can be perfectly tailored to your requirements – with future security included in the package. This is because we carry out continuous development and expansion of the Power Pick Global system.

Kardex Remstar offers a wide portfolio of software packages

Small Business Package

Software solution for small and medium sized enterprises.

Order Processor

Software package for medium sized warehouses.

Communicator Pro

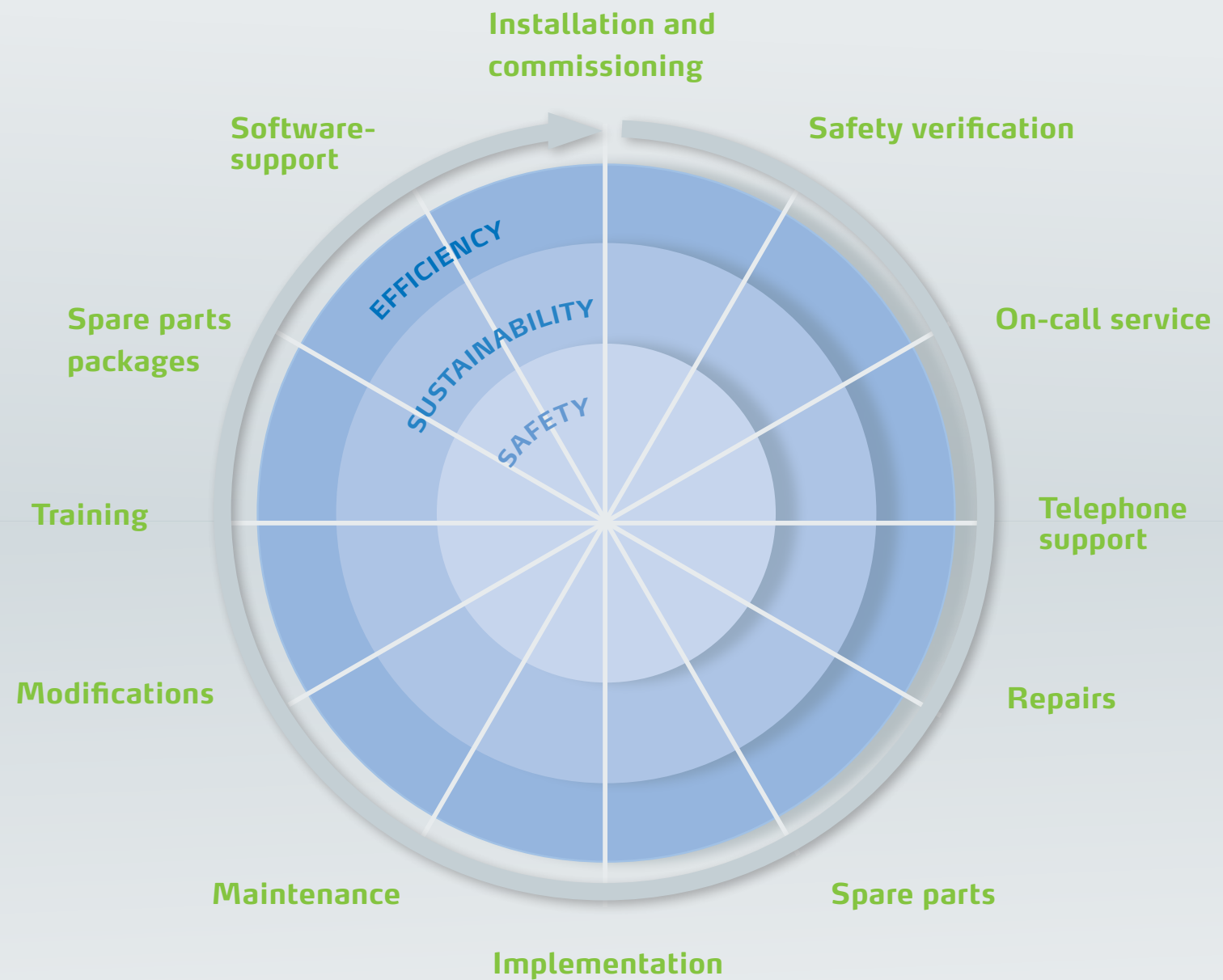
Solution for warehouses operating under ERP or WMS.

Warehouse Edition

The modern functional and easy-to-implement warehouse management solution "Made in Kardex Remstar".

*Windows® is a registered trademark of the Microsoft Corporation.

Kardex Remstar Serviceprinzip: 3 levels for your success – and more efficiency, sustainability, safety



Further information:
www.kardex-remstar.com

Do you want more service?

No problem:
our service management will develop
an individual concept together with you.
Give us a challenge!

Kardex Remstar: Always close to you. Worldwide.



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