


K.HARTWALL

Logistics Efficiency through Innovation



**POSTAL
& PARCEL**

An industrial setting featuring a robotic arm on the left, blue storage bins in the upper left, and metal wire cages in the center and right. A yellow pallet jack is visible in the middle ground. The floor is light gray with white grid lines.

**OUR LOAD CARRIERS
ARE COMPATIBLE
WITH AUTOMATION
& ROBOTICS**

**WE INCREASE EFFICIENCY
AT ALL STAGES OF THE
SUPPLY CHAIN**



**WE OPTIMIZE
CUBIC FILL**



**WE COMBINE
LINE HAUL WITH
EFFICIENT LAST
MILE SOLUTIONS**



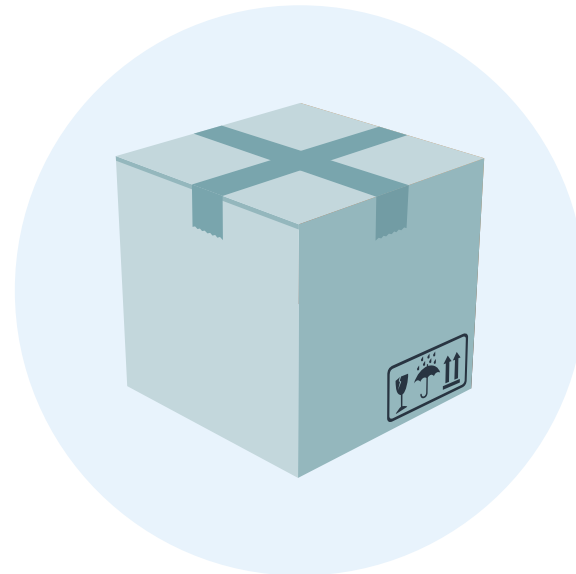
**WE ENSURE
MODULARITY
IN OPERATIONS**



EFFICIENCY IN PARCEL OPERATIONS

Growing parcel volumes and increased competition are driving parcel operators to find new and more efficient ways of moving parcels.

Today both robotics and automation are driving a need for a new generation of parcel load carriers – where effective manual handling is combined with compatibility with automation.





Having the right parcel load carrier, may it be a roll cage for distribution or a foldable cage for line hauls, will make a big difference in operational efficiency. Everything from (un)loading operations in terminals, cubic fill in transportation and compatibility with automation is affected by your choice of load carrier.

K.Hartwall develops load carrier solutions with you as well as with automation and robotics companies.

PARCEL DISTRIBUTION

In the ever-increasing pressure of high daily parcel volumes and short lead times, you need a high-quality roll cage that is easy and convenient to use manually but is fully compatible with MHE for fast (un)loading as well as automatic tipping.

The first and last miles of the parcel supply chain separate the winners from the rest. Roll cages have to be durable and convenient so that they can be moved around smoothly on different surfaces.

Selected from our wide range of 3- and 4-sided roll cages



3-sided Foldia®

Foldable unit
Footprint: 800 x 704 mm

- **5:1 ratio when empty**
- Space efficient at destination and in reverse logistics
- Easy and ergonomic manual handling – no lifting
- Efficient vehicle cubic fill
- Easy branding

4-sided Compactainer®

Nestable unit
Footprint: 800 x 760 mm

- **No need for shrink-wrapping**
- Improves ergonomics and health & safety
- Decrease product damage
- One man operation: easy handling



York roll container

Nestable unit

Footprint: 850 x 670 mm

- For bags, letter tray and bundles
- Equipped with a **proven hand-operated braking system**
- Tippable
- Easy branding

L-frame roll container

Nestable unit

Footprint: 1005 x 1350 mm

- **Can be used on its own or towed in a train**
- Designed for tipping automation
- Safe to handle with its central foot brake
- Easy loading with the divided front door

Polly

Foldable and stackable unit

Footprint: 600 x 1000 mm

- Enables **double-stacking** improving vehicle cubic fill
- Fully stackable both full and empty
- Half-drop down gates for better ergonomics

PARCEL LINE-HAULS

Before, there was time to loose load your line haul truck to get maximum vehicle fill. Today, with later cut-off times and labor shortages, loose loading may not be the best option. A stackable cage that is compatible with tipping automation combines the benefits of fast (un)loading with great vehicle fill.

Loading and unloading require time. With a stackable cage you can combine time savings and optimum cubic fill.



Some of our tested and proven foldable cages



Smartcube®

Foldable and stackable unit
Footprint: 800 x 1200 mm

- **Highly compatible with other euro-sized MHE**
- Half-drop down gate and walk-in access for easy and ergonomic loading
- Reduced product damage
- Full product visibility

Parcel cage

Foldable and stackable unit
Footprint: 1000 x 1200 mm

- **100% reliable automatic tipping**
- Half-drop down gate and walk-in access for easy and ergonomic loading
- Easy branding
- Compatible with other MHE

Big Box

Foldable and stackable unit
Footprint: 2220 x 1160 mm

- **Fast truck (un)loading**
- Best-in-class cubic fill
- 100% reliable automatic tipping
- Walk-in access for easy and ergonomic loading
- Easy branding

COMPATIBILITY WITH ROBOTICS AND AUTOMATION

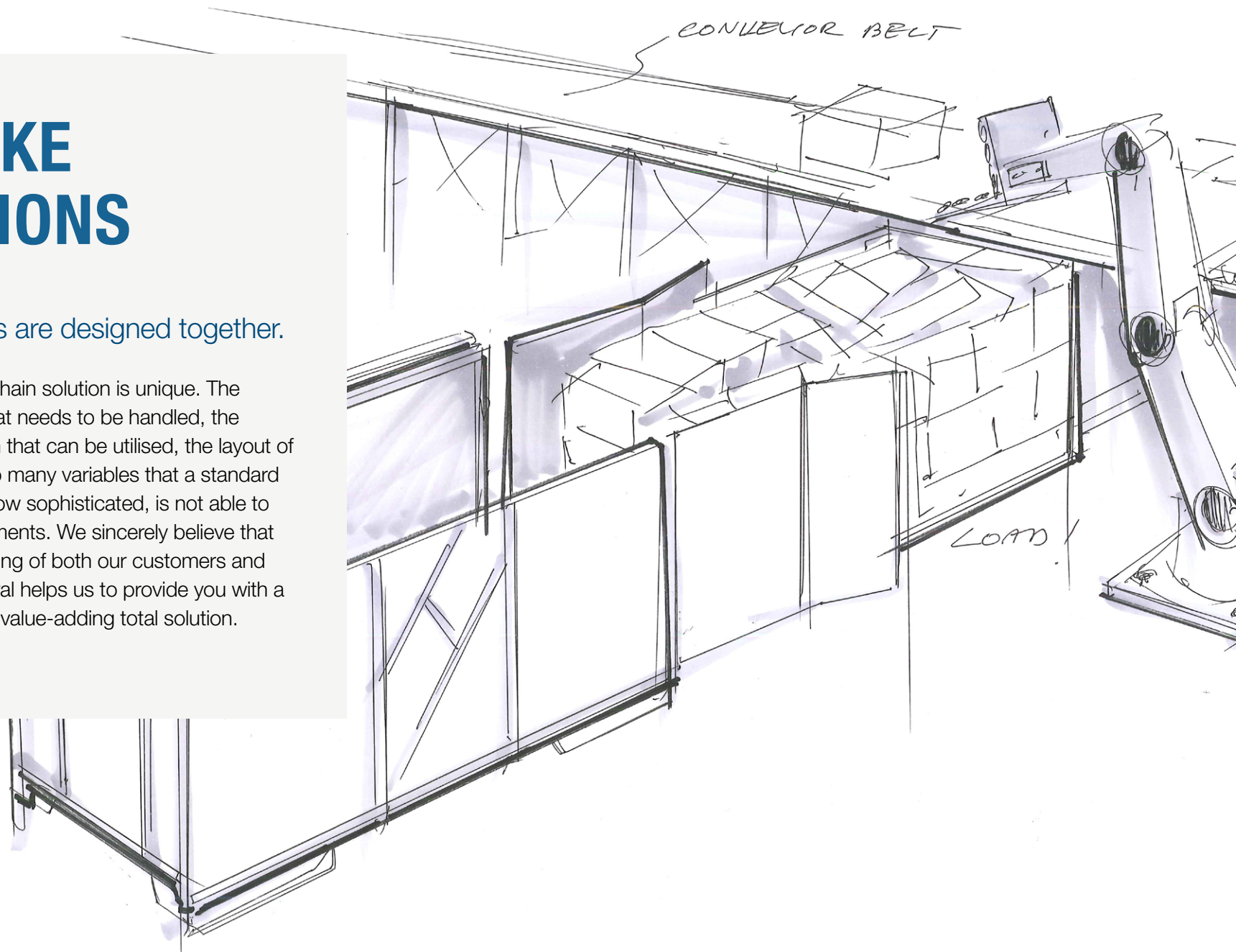
Advanced automation technologies are utilised in parcel supply chain to decrease the dependence on personnel. However, benefits from increased level of automation may not be fully realised if your load carriers are not compatible or if the solution forces you to use sub-optimal ways of working during the following steps of the process. Every solution has to be individually designed and all relevant factors taken into account to ensure full compatibility and business success.



BESPOKE SOLUTIONS

True innovations are designed together.

Every parcel supply chain solution is unique. The number of parcels that needs to be handled, the degree of automation that can be utilised, the layout of the line... there are so many variables that a standard solution, no matter how sophisticated, is not able to meet all your requirements. We sincerely believe that the deep understanding of both our customers and the business in general helps us to provide you with a comprehensive, truly value-adding total solution.



DON'T TAKE JUST OUR WORD FOR IT

Throughout our 85 year history, we have always valued genuine long-term partnerships. Here is what some of our long-term partners have to say about us.

K.Hartwall
named
Supplier of the
Year 2018 by
Posti Group



“We selected K.Hartwall as a long term partner due to their capability to understand our requirements and find innovative new solutions that help us to improve our logistics in the future.”

postnord



“K.Hartwall has been supplying Yorks and “mini” Yorks to Royal Mail for nearly 20 years. At the last count there were over 300,000 units in use.”



“The new load carrier family where everything is both modular and stackable, combined with a smaller footprint, means that we can also use a bigger amount of pre-sorted units. This makes cross-docking possible and therefore reduces sorting costs significantly.”

posti

INNOVATIVE SOLUTIONS FOR OVER 85 YEARS

K.Hartwall was founded in Söderkulla, Finland in 1932. Over the years we have acquired in-depth knowledge of logistical processes and of their financial and environmental impacts. Today we bring logistic efficiency by delivering innovative solutions, including returnable load carriers and associated services.

K.Hartwall works closely with customers around the world to realise measurable benefits through improved logistical flows. Our efficient global delivery capability has made K.Hartwall the partner of choice for numerous companies in the retail, dairy, beverage, industrial logistics and automotive sectors.

Wherever you are located our global production network ensures that we can serve you with the best quality and lead time.

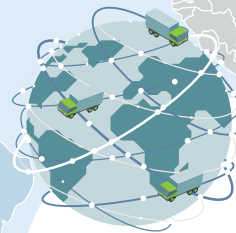


**85
YEARS**
of design and
innovation

• Söderkulla



**9
MILLION**
roll cages
and dollies



**65
COUNTRIES**
worldwide



**1500+
SATISFIED**
customers



WHY K.HARTWALL?



A global player on the load carrier market



An expert in the field of Postal & Logistics, Retail and Automotive



An innovative partner who can develop new solutions



A company who wants to provide good quality



A supplier with a large portfolio



A reliable partner who understands the trends and listens to your issues

K.Hartwall Oy Ab

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MAXIMISING YOUR LOGISTICS EFFICIENCY



See how to combine
your postal streams



Find out how
the parcel cage works



Check this alternative
to loose loading



Check our
corporate video