

K.HARTWALL

Logistics Efficiency through Innovation

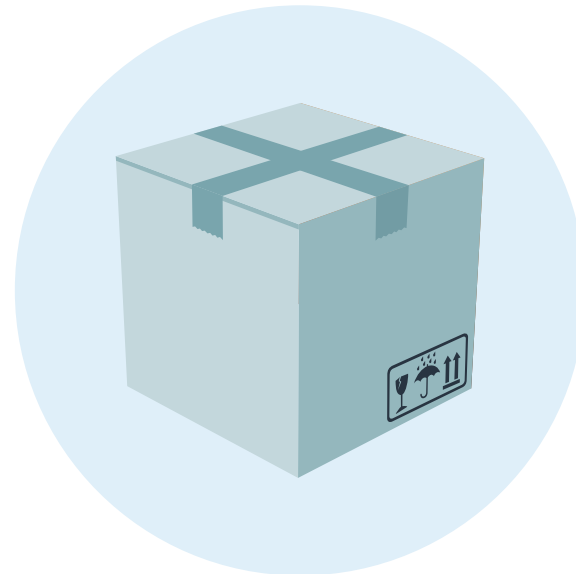


POSTAL & PARCEL

EFFICIENCY IN PARCEL OPERATIONS

Growing parcel volumes, labour shortage and consumer demand for faster deliveries 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.



Improve agility and ergonomics of last mile deliveries to PUDO's with **parcel roll cages**.



AGV's for internal transport of empty roll cages or pallets.



Speed up (un)loading and reduce damages by using parcel load carriers such as **foldable and stackable cages**.

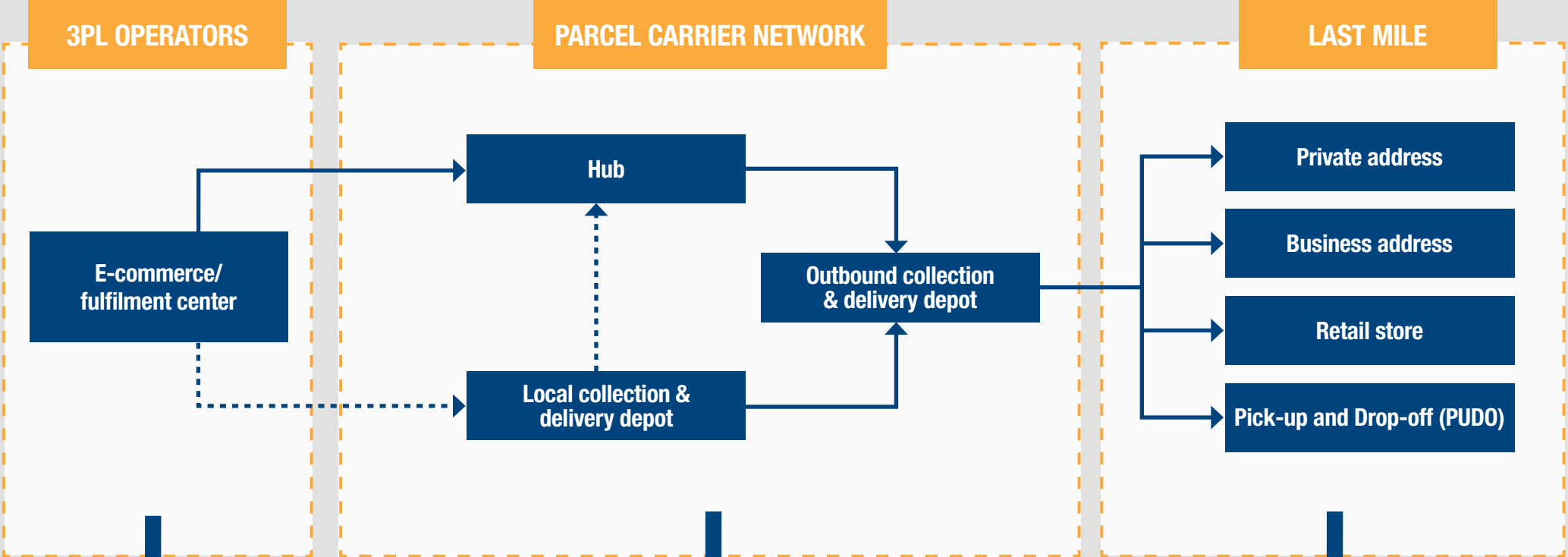
Reduce forklift traffic with **tugger train systems**.



WE OFFER A SOLUTION FOR EACH STAGE OF YOUR SUPPLY CHAIN



HOW TO AUTOMATE YOUR SUPPLY CHAIN



First mile

SOLUTIONS

Line haul operations

Hub and open depot operations

SOLUTIONS

Last Mile

SOLUTIONS

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, middle and last miles of the 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

Pallet size roll container

Nestable Unit (V-frame)
Footprint: 1200 x 800 mm, 1200 x 1000 mm

- Lightweight for one person handling: fast and easy to use
- Nesting unit for efficient return logistics and storage
- No shrink wrap or foil needed to secure goods
- Security mesh for added security

Parcel roll container

Nestable Unit (V-frame)
Footprint: 800 x 1200 mm

- Clear panels front and back allow unrestricted visibility for safer manoeuvring and assessment of contents
- Ergonomic design: operator friendly and safe
- 100% tippable
- Better vehicle fill thanks to high nesting increment

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 and 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

Also available in ISO size and Jumbo (2,6m long)

Parcel cage

Foldable and stackable unit
Footprint: 1000 x 12000 mm

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

Parcel cage with side panels

Foldable and stackable unit
Footprint: 1200 x 800 mm

- Improve your vehicle cubic fill
- Easy to assemble or fold: one person operation
- High compatible stacking with other MHE
- Ergonomic unit: Walk-in loading from the front. Straps to lift the panels

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.



ELIMINATION OF FORKLIFT TRAFFIC

The LiftLiner® RC is the first electric tugger train on the market that transports a wide range of roll containers and dollies.

LiftLiner will help improve your ergonomics and efficiencies due to its unique compact design and excellent tracking accuracy making it ideal in tight spaces. It can transport up to 8 loaded roll cages and has excellent return efficiencies which reduce the need for forklift traffic which improves your intralogistics operations.





“K.Hartwall has been supplying Yorks and “mini” Yorks to Royal Mail for more than 25 years. 2020 marked a real milestone in our cooperation as K.Hartwall supplied the 1 millionth York roll container in November to the York Distribution center where it all began.”



“With the LiftLiner®, we were able to improve our general safety by reducing unnecessary forklift traffic in our terminal, and at the same time, improve the efficiency of moving parcels internally. This is especially critical in our operations during peak hours and high seasons”

posti





“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

DON'T JUST TAKE OUR WORD FOR IT

Discover what some of our long-term customers have to say about our innovative solutions for parcel logistics. From faster (un)loading in fulfilment centers or depots to improved safety & ergonomics in middle mile operations or reduced operational cost throughout the parcel supply chain.



INNOVATIVE INTRALOGISTICS SOLUTIONS SINCE 1932



**65
COUNTRIES**
worldwide



**1500+
SATISFIED**
customers



**90+
YEARS**
of design and
innovation



**10
MILLION**
roll cages
and dollies

K.HARTWALL IS A GLOBAL MATERIAL HANDLING SUPPLIER
WITH HEADQUARTERS IN SÖDERKULLA, FINLAND.





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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Watch how we improve
middle mile operations



Find out how
the parcel cage works



Streamline your operations
with the LiftLiner®



Check our
corporate video

MAXIMISING YOUR
LOGISTICS
EFFICIENCY