

**K.HARTWALL**



**A-MATE®**

AutoMate your load  
carrier movements

# AUTOMATION AT YOUR FINGERTIPS

A-MATE® are intelligent mobile robots designed to transport load carriers such as pallets and roll carts in production and logistics environments like warehouses and sorting centers, without the need for an on board operator or driver.

The unique benefits include a compact design and advanced driving system to enable agile movements in tight spaces. Equipped with a powerful electric free lift\*, they can pick up and drop off loads both from the floor as well as from shelves and conveyors. A 360 degree scanner coverage ensures maximum safety.

\* no scissors below the forks



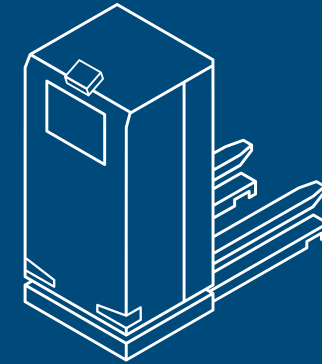
A-MATE® FreeLift



A-MATE® Lite



A-MATE® Counter



## MEET THE FAMILY

- Compact design
- Electric free lift
- 360° safety
- Contour-based LiDAR navigation
- Long lasting Li-Ion batteries
- Load carrier detection
- Obstacle detection & avoidance

### AVAILABLE MODELS

A-MATE® FreeLift | A-MATE® Lite  
A-MATE® Counter

# MOBILE ROBOTS FOR NUMEROUS LOAD CARRIERS



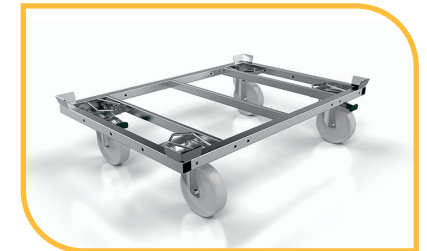
## COMPATIBLE PRODUCTS



EURO PALLETS



EPAL MESH BOXES



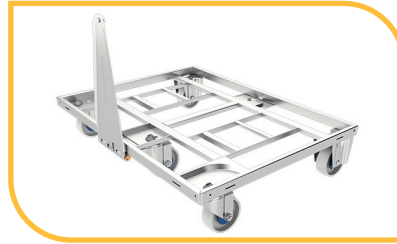
K.HARTWALL DAUGHTER CARTS

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Versatile for your business needs.



## COMPATIBLE PRODUCTS



**K.HARTWALL LEAN DOLLIES**  
800 x 600 mm



**HALF-EURO-PALLETS**



**K.HARTWALL ROLL CARTS**



## COMPATIBLE PRODUCTS



**CHEP & GMA PALLETS**



**K.HARTWALL SMARTCUBE® CAGES**

# WHAT YOU CAN ACHIEVE WITH A-MATE®



Reduce your handling costs



Ensure interoperability with  
other systems



Fast and safe integration into  
your IT environment



Plug, Connect & Produce to  
reduce your project lead time





The **implementation of A-MATE®** in your operation boosts the digitalization of your workflows and transparency of your processes.

This increases the flexibility and competitiveness of your production environment.

- Enhance scalability
- Facilitate rapid process modifications
- Utilize existing capacities and resources
- Track your load carriers systematically
- Minimize disruptions

**SHAPE THE FUTURE WITH A-MATE®**  
**AND GAIN A COMPETITIVE EDGE**

## ELECTRIC FREE LIFT



A-MATE® is a perfectly fitting solution for multiple use cases as it can both handle loads on the floor as well as deliver to or pick up from conveyor belts and shelves.

## COMPACT DESIGN



The advanced driving system combined with a compact design enables A-MATE® to move very efficiently in narrow and tight environments.



# VERSATILITY



A-MATE® transports various types of load carriers, for example pallets, foldable cages, roll c and dollies, in different sizes, empty or full.

This makes our AGVs a universal solution for a wide range of intralogistic process flows in manufacturing, warehousing and sorting operations for various industries.

They are designed to operate in demanding industrial environments with heavy traffic and rough conditions.



# SAFE INTERACTION WITH HUMANS



## MULTIPLE SCANNERS

to make the A-MATE® a 360° safe mobile robot



## CLEAR LIGHT INDICATORS

to signal the operating status



## EMERGENCY STOP BUTTONS

visible and accessible at any moment

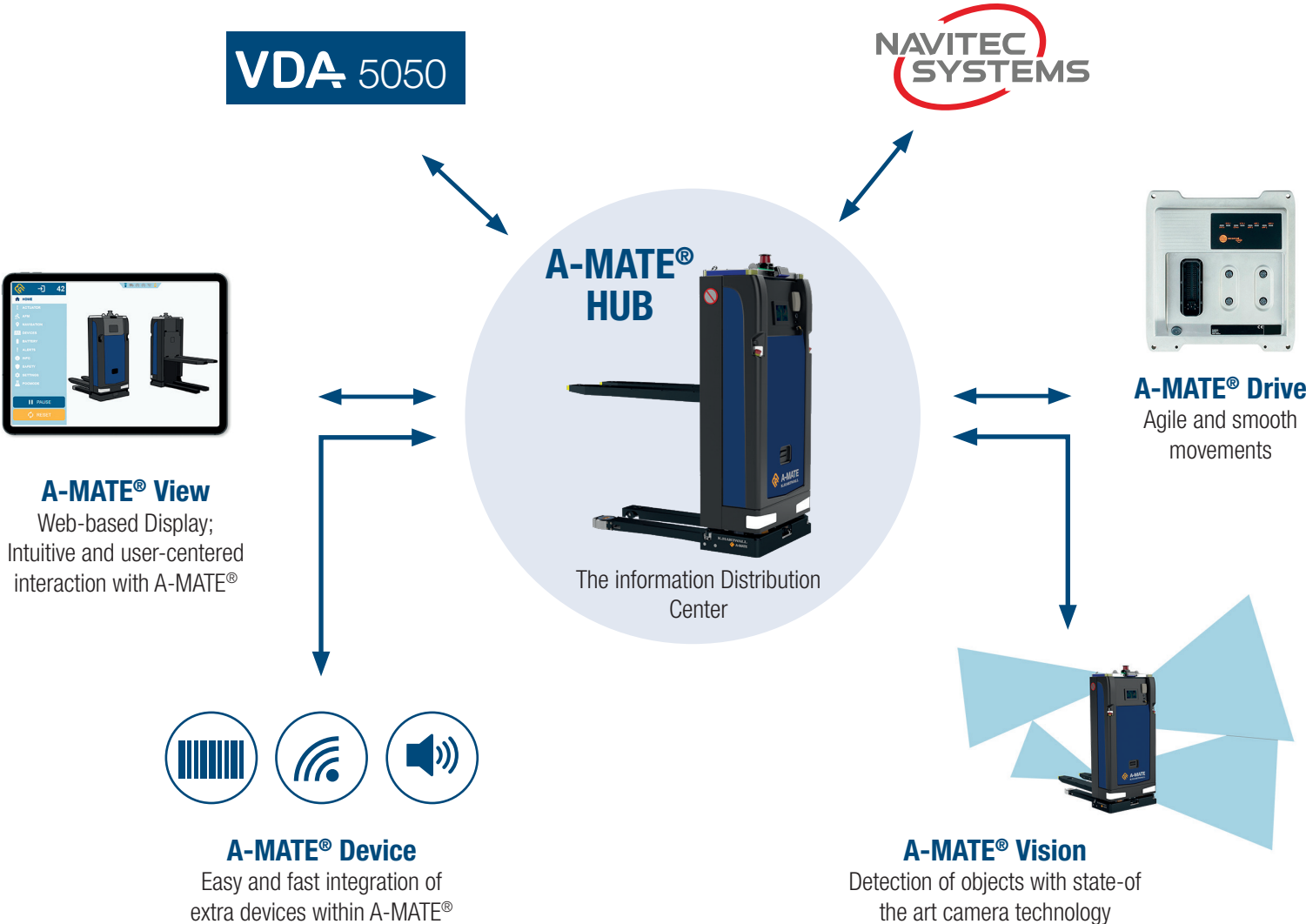


## INTERACTIVE DISPLAY

easy to access and easy to handle

# OPEN SOFTWARE ARCHITECTURE

A-MATE® works reliably in a constantly changing environment, stand-alone and connected to customer WMS/MES or connected to via VDA5050 fleet manager.



# WE ARE ALSO USING A-MATE®



**BOSCH**



*Danfoss*



**ebmpapst**

**SCHAEFFLER**

**EXPERIENCE. KNOWLEDGE. RELIABILITY.**

# SUCCESSFUL CUSTOMER PROJECTS



## DANFOSS GRÅSTEN, DENMARK

- Four A-MATE® FreeLift
- Automated transport of full units from a buffer lane to various drop-off-locations
- Safe interaction with other AGVs, manually driven forklifts and human workers.



Watch video



## SCHAEFFLER BUEHL, GERMANY

- Six A-MATE® FreeLift
- Automated transport of full and empty units between machines and shipping area
- Navigation in narrow aisles
- Floor-to-floor and conveyor handling
- Interaction between internal Schaeffler software and external fleet management

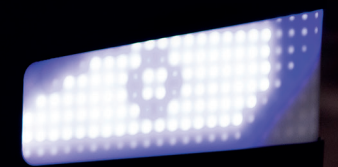
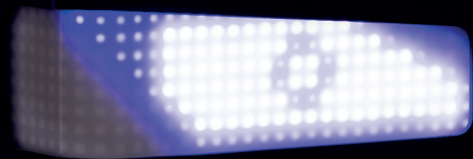


Watch video

**VISIT [K-HARTWALL.COM](https://www.k-hartwall.com) FOR MORE CUSTOMER STORIES**



**A-MATE**  
K.HARTWALL



K.HARTWALL  
A-MATE



For over 90 years, K.Hartwall has been innovating material handling solutions for global leaders in retail, industrial manufacturing, and parcel & e-commerce.

With customers in 65+ countries, we design and deliver future-proof supply chain solutions — from sustainable load carriers and electric tugger trains to advanced autonomous mobile robots.

Our mission is simple: To optimize the efficiency of our customers' operations and help them build scalable, sustainable intralogistics for the future.

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## **INNOVATION DRIVEN**

We serve you  
globally in  
65 countries

## **CUSTOMER IN FOCUS**

We serve more  
than 1500 satisfied  
customers

## **EXPERTISE IN AUTOMATION**

Over ninety years  
of design and  
innovation

## K.Hartwall North America

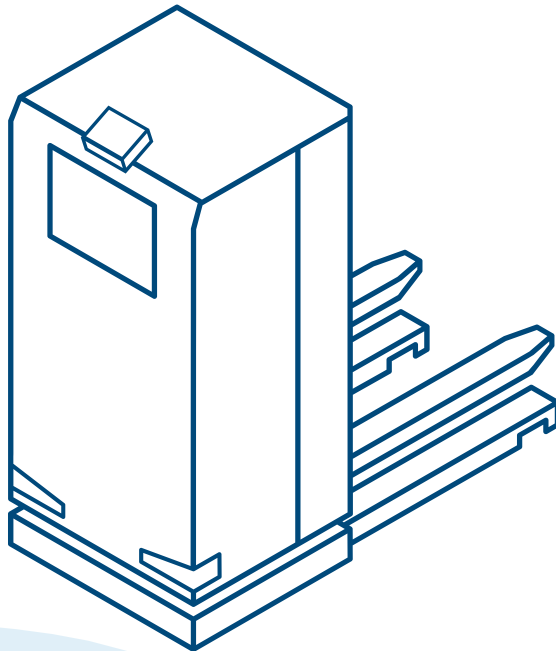
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Watch A-MATE® in  
action at Schaeffler



Watch A-MATE® in  
action at Danfoss



**A-MATE®**

**MAKE THE NEXT  
SMART MOVE  
IN SUPPLY CHAIN**