

The background of the image is a dark, high-contrast photograph of a MacBook Pro. The laptop is open, and its screen displays a software interface with various panels and sliders. The keyboard is visible in the foreground, and the overall lighting is dim, emphasizing the screen and the text overlay.

The easiest way to digitize industrial processes sustainably

Many processes in industry are still analog and controlled with **EXCEL AND PAPER**

Imagine how much time and resources are wasted when employees have to spend hours searching through paper documents and manually entering information.

CO₂

Millions of sheets of paper cause tons of CO2 emissions.

EXPENSIVE

Expensive mistakes and lost time. High training costs.

NO DATA

for process optimization (time, errors).

Printed Excel data waste



ekko is a software platform that aggregates data and visualizes it as **situationally relevant information**

The ekko platform digitizes manual and analog processes by importing data from various systems. The platform then visualizes this data as situationally relevant information on digital displays.

**STEP BY STEP
INSTRUCTIONS**



ekko supports among others these standard **INDUSTRIAL APPLICATIONS**.



Picking

Easy and fast picking by using ePaper labels, MDE devices or even data gloves.

- ✓ Pick-By-ePaper
- ✓ Put-To-ePaper
- ✓ Order related picking

Digital consignment bill

Accompanies a workpiece or transport container through the manufacturing process and displays the necessary information in real time.



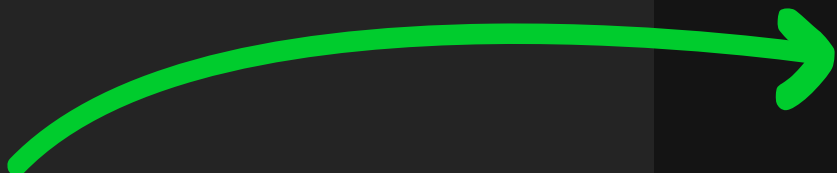
Digital labeling

Simple digital shelf labeling with inventory and ordering function.



Assembly instruction

Guides step-by-step through individual assembly steps.



Kanban / Flow racks

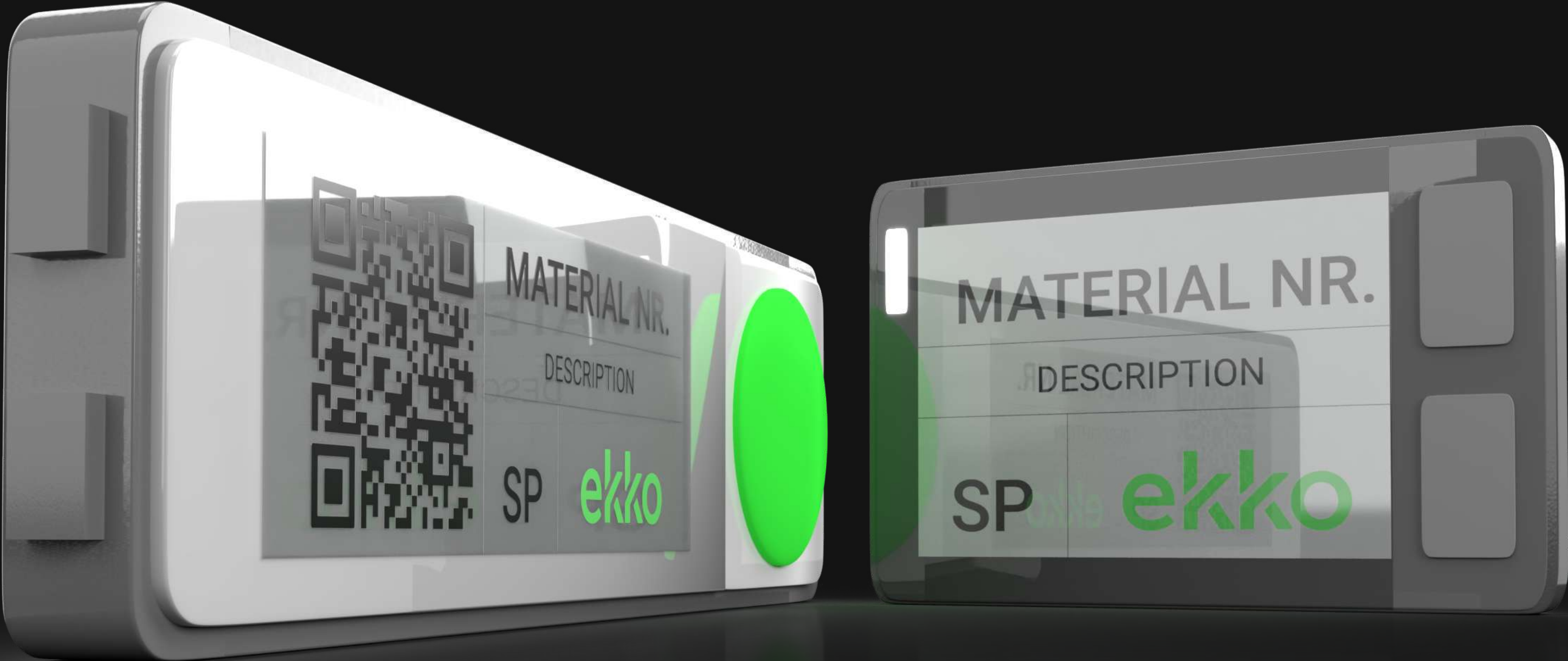
Execute parts ordering and other functions directly on the shelf.



ekko Analytics

With ekko, processes can be evaluated and optimized. For example, dynamic supermarket/warehouse optimization can be easily implemented.





Use-Case:
Picking

+ Example Case Studies



Picking Use-Case



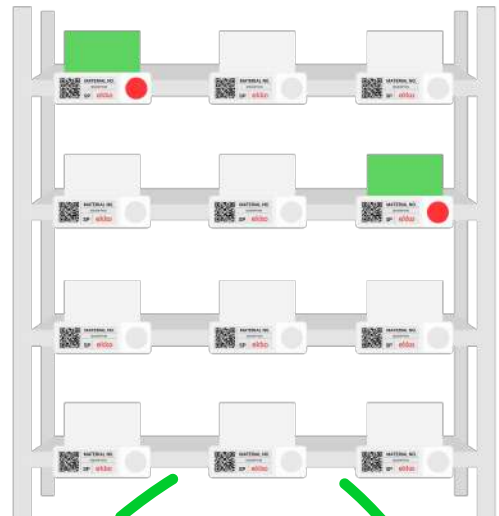
1

The picking area is configured once in ekko for future workflows.



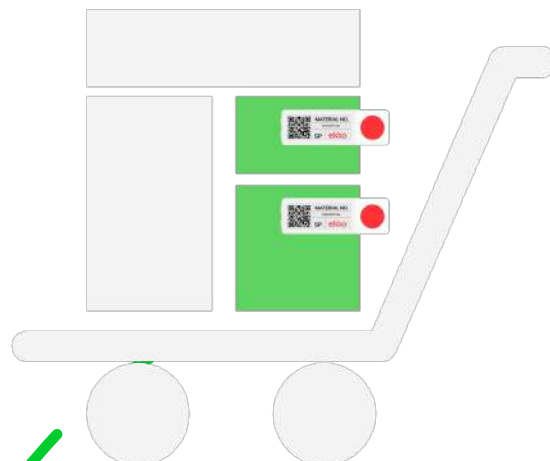
3

The ePaper displays identify the material in the picking supermarket. The displays for the picking order blink on the corresponding shelf compartments.



5

The picker puts the material into the corresponding compartments of the transport trolley, where a label also blinks.



7

With ekko Analytics, storage compartments and routes can be optimized and multipicking can be implemented to further optimize your supermarket.

2

ekko processes the existing picking orders and distributes them to the picking supermarkets.



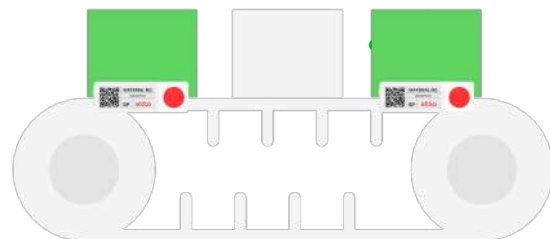
4

The picker picks the material with the help of the blinking labels and confirms the removal. The tablet shows the status of the picking order and reports picking errors.



6

The trolley is transported to assembly. The Kanban shelf there is also equipped with ePaper displays on both sides. The logistician places the parts from the sequence cart into the corresponding compartment of the Kanban shelf.



Pick-By/Put-to-ePaper[™]



The problem:

In the picking areas, missing picks or fills can vary in cost - depending on the material and the time when the error is noticed. Picking is one of the most expensive and at the same time most time-consuming work steps in intralogistics.

The ekko solution:

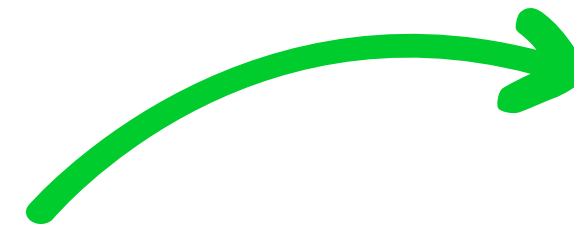
The picking areas were equipped with ePaper displays, which are controlled by ekko according to the current order. The LED starts to light up at the correct compartment and goes out again after acknowledgement. This applies to both the filling side and the removal side on the shelf. The error rate has been halved compared to paper and efficiency increased.



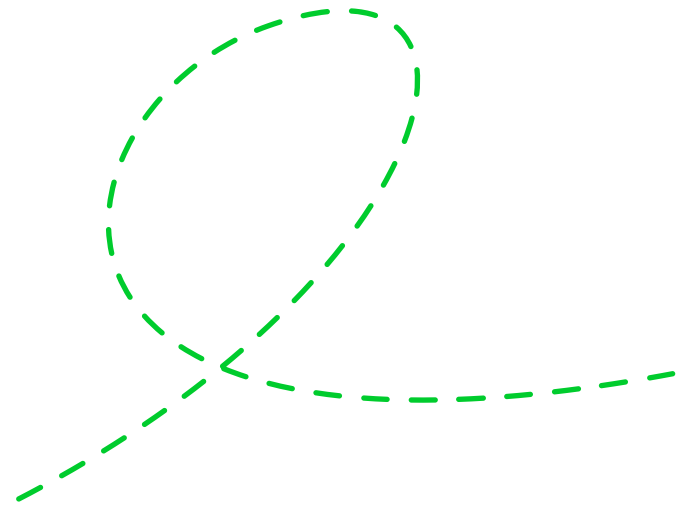
ekko Picking im Vergleich

WIRED SOLUTIONS

- ☹️ High investment costs
- ☹️ No visualization
- ☹️ High installation effort, expensive to retrofit
- ☹️ No analytics function for process optimization



EKKO: KABELLOS

- ✓ Low investment costs
 - ✓ Any information on ePaper displays
 - ✓ Low installation effort, easy to retrofit
 - ✓ Extensive analytics functions for process optimization
- 

How much picking with ekko can concretely save:

Case Study: SME

With an ROI of 7 months

Book your individual ROI calculation



Before ekko

4:00 min Search time per job
146.000€ Cost per year

Before ekko, the work steps were performed manually

Searching for products was time-consuming and error-prone

With ekko

0:30 min Search time per job
84.000€ Cost per year
1,9 FTE saved per year

Complete digitization of the work steps

Time savings of more than 3 minutes per job



- ✓ ROI of 7 months
- ✓ Time reduction above 80%
- ✓ Cost savings of over €60,000 per year



Pick-by/to-Light at a glance

Software and hardware hand-in-hand

The ekko software can label ePaper displays individually. The parts to be picked are indicated to the individual employees by different colors on the displays (flashing of the LED). After scanning with the data glove, the LED goes out. Parts can be reordered or information given to the system via programmable action buttons.



Rights roles: Individual storage areas can be made accessible to different employees



Data retrieval from any source (SAP, Excel and many more)



KANBAN integration possible without complications



Displays flash in different colors for different employees



Software, displays, data glove, integration and installation from a single source



Independent of specific hardware manufacturers

Wireless pick-by/to-light can be implemented cost-effectively

Cost-effective & manufacturer-independent installation and operation

ekko works in the field of picking with ePaper displays. Compared to wired systems, these are significantly less expensive and can also be easily retrofitted/converted (flexibility advantage). These do not consume any power during the display of information.

EKKO FRIENDLY SAVINGS

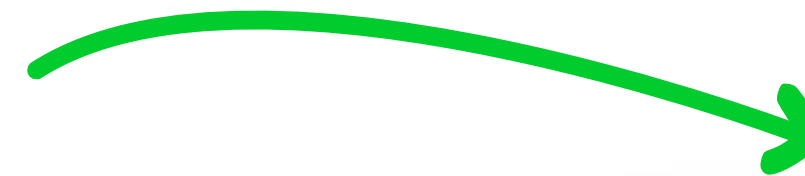


ROI between 1-3 years

Our ePaper displays do not consume electricity while displaying information. This saves you high electricity costs.

Picking with ekko software optimizes your processes

Information when it is needed.



ekko Analytics

- ✓ Storage space & route optimization
- ✓ Multipicking (dynamic supermarket optimization)
- ✓ Many other data evaluations

The advantages of ekko software

- ✓ Digital twin of your warehouse/assembly areas
- ✓ User roles/rights by area
- ✓ Easy connection of ERP/WMS systems

In addition to these standard industrial processes,
ekko can also **DIGITIZE COMPLEX INDIVIDUAL**
processes:

ekko optimizes the flow of goods^{!!} at a **major logistics company**

The problem:

Until now, delivered goods were written on with a felt-tip pen and transported to their underfloor conveyors to the destination. Often the labeling was no longer legible and the exact destination was not obvious. This led to misplacements and unnecessarily long process times.

The ekko solution:

The goods are now automatically labeled with an ekko display. As soon as the correct storage location is reached, the entire display flashes conspicuously.



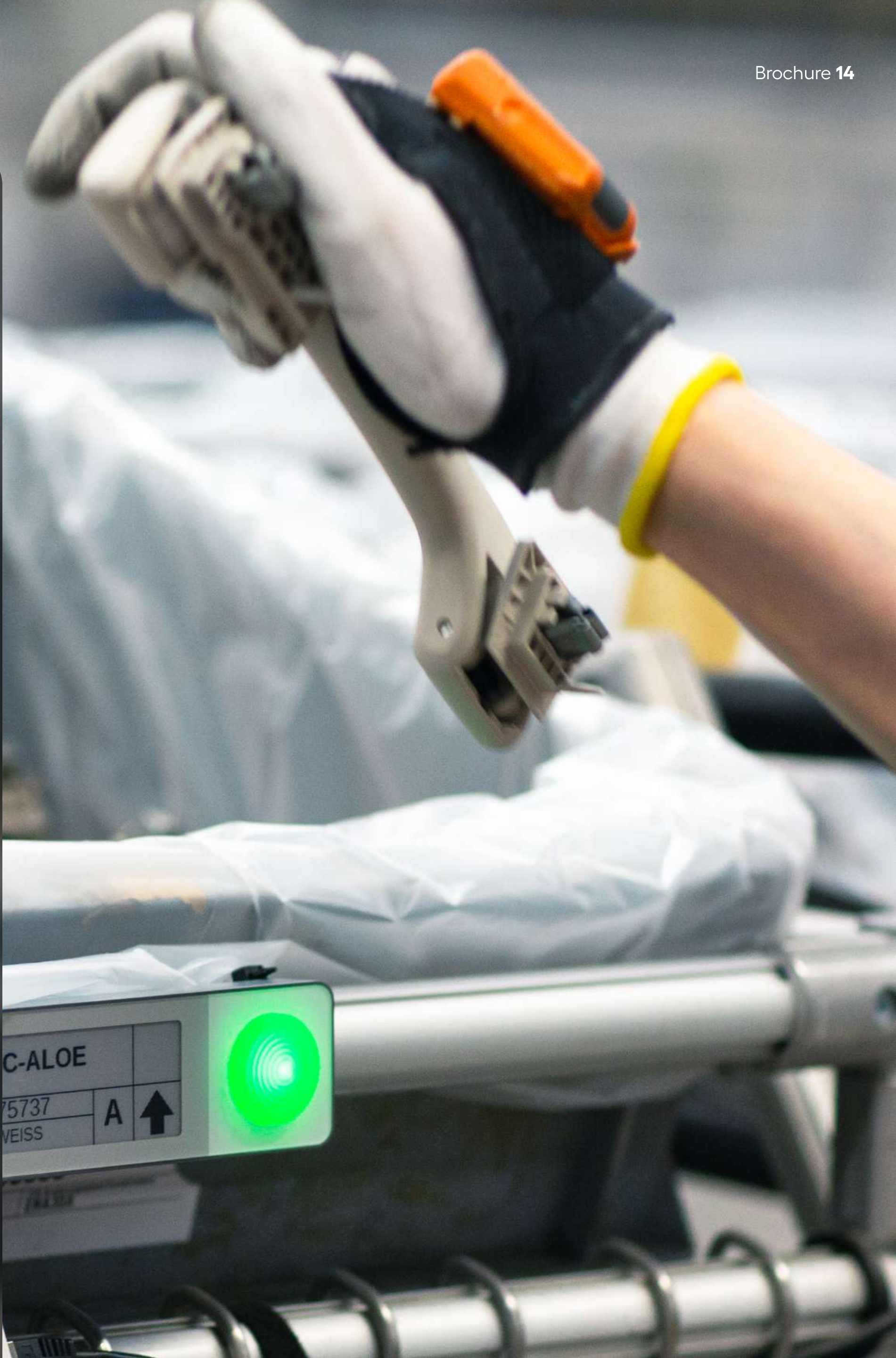
No need to search for the right storage location. Automatic notification when reaching the destination.



Complete marking process has been automated.



No more incorrect labeling due to system-side labeling as well as better readability.

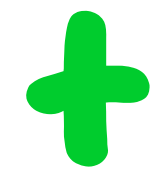


Why do companies choose ekko?



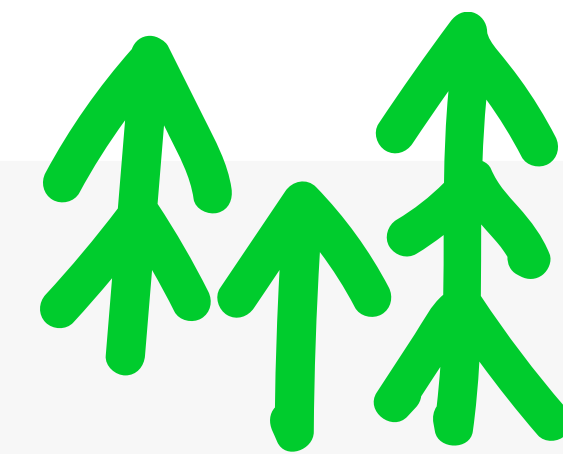
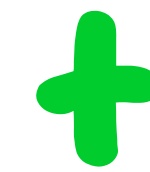
Cost reduction

- By reducing the training times
- Reduction of assembly and picking errors
- Error reduction through limitation to situationally relevant information (no information overload)
- Reduction of many manual labor hours



A lot of data

- Route optimization, location optimization, multipicking and dynamic picking processes
- Analysis and clustering of assembly defects
- Targeted employee training



Productivity

- Thanks to ekko's "worker automation" you facilitate the daily work of your employees and at the same time increase the productivity of your assembly and logistics processes

Our customers continuously increase their efficiency.

Our customers increase their efficiency by digitizing and automating a wide range of processes that were previously controlled by Excel and paper.

"In practice, I have found pick-by-light systems to be less than smart and very sluggish. Ekko takes it to a new level. "

Christian Pyka
Human Machine Interface, Mercedes Benz



"Ekko enables us to significantly reduce errors in manual assembly processes."

Dominik Stoffels
Tools & Methods ES, Dräxlmaier



Some of our clients are:



Your route to efficient processes and lower costs:



*All business is a multi-year dual subscription business consisting of recurring software and hardware business with an average gross margin of 29% on hardware sales.

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OR DIRECTLY HERE



Book appointment at:

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