CASE STUDY

REICHHART improves the scanning process, making picking, sequencing, and kitting significantly faster

INDUSTRY

Logistics and transportation

PROGLOVE SOLUTION

Wearable Scanner, LEO,
MARK Basic, MARK 2,
MARK Display
Insight software

APPLICATION AREAS

- Picking processes
- Sequencing, kitting, and assembly

NUMBERS

PROGLOVE on

2 locations

14,000

Scans per day

PROGLOVE devices in use

15

RESULTS

- 4 seconds per scan faster, increasing the productivity of all processes
- A safer more productive work environment, thanks to ProGlove's ergonomic scanner design
- A faster, more accurate scanning solution reduces cost while increasing efficiency

PROGLOVE

CASE STUDY

About REICHHART

REICHHART designs tailor-made logistics solutions to each of its international clients. They provide these solutions along the value chain of the client, at strategically important hubs, managing transportation, warehousing, factory and digital logistics, as well as sequencing and assembly. As a partner, they work to provide logistical excellence efficiently and economically, while maintaining close customer contact. REICHHART employs 800+ people at 15 locations in central Europe.

Summary

Essential to REICHHART's reputation is their commitment to excellence – to achieving the highest quality in the customized logistics services it provides. This entails innovation as specialized teams within REICHHART analyze what it will take to reach and exceed each customer's needs and requirements.

REICHHART, as practice, regularly tests new and future-oriented products that promise to optimize logistics services. Those that pass are integrated into the solution. This has led their teams to recognize the central role that scanners play, and the greatly expanded role they can play. The company's goal is to bring all sites up-to-date with ProGlove's modern, powerful, and ergonomic scanners.

Challenges at REICHHART

REICHHART must master the entwined challenges of speed and accuracy on a daily basis. The services they manage on behalf of customers include complex assembly processes, such as in automotive engineering. Here, the right part must be in the right place, in the right order, at the right time, every time. Every move must be perfect and every part must fit in order to ensure that the time-critical processes run smoothly. The scanning processes for validating the individual components and work steps must also proceed quickly and ergonomically without hindering employees.

More efficient processes with fewer errors, and all hands-free

ProGlove's scanners were originally tested as REICHHART was looking to solve three persistent problems. The first was sequencing errors and they found these new scanners were significantly more accurate. The next was ergonomics, and they found that ProGlove scanners enable hands-free scanning improving speed and worker satisfaction. The last was guidance and ProGlove's interactive display would let workers see where they could find the location of items, saving unnecessary steps.

CASE STUDY

Areas of application for ProGlove at REICHHART

Use Case 1: Assembly

REICHHART's customer base includes a large automotive group where it is responsible for the assembly of sometimes large and complex products, such as air coolers. Previously, workers used a classic gun scanner for this activity, which was attached to their pants so that their hands were free for other assembly tools such as cordless screwdrivers . This proved to be a suboptimal solution for both ergonomic and efficiency reasons, as the scanner hit the back of each employee's knee with every movement.

Workers now use ProGlove's ergonomic, hands-free scanners on the assembly line. The scanners ensure, and document, that the correct components are used in the correct sequence and are then correctly installed in the vehicle. Because ProGlove devices are worn on the back of the hand, employees now have their hands free at all times. Scanning becomes ergonomic, quickly, and accurate. Various scans are therefore required during the individual assembly steps for validation and quality assurance. The more ergonomic and rapid these are, the more efficient and smooth the entire assembly process becomes.

Use Case 2: Picking

Scans with ProGlove's MARK display ensure that the employee has picked the correct item and placed it in the correct compartment.
In the same REICHHART warehouse where automotive assembly is performed, for example, cable harnesses have to be pre-sorted in individual compartments and, if necessary, already "married" to other components. Via ProGlove's MARK display, the employees receive information about which cable harness should be placed in which trolley and which compartment. Once the harnesses have been correctly assigned, they are transported to the customer's plant for installation.

DAVID NICKEL
Division Manager Contract Logistics, REICHHART

"With ProGlove, we can optimize process times, improve the quality of services as well as our employees' motivation and satisfaction."

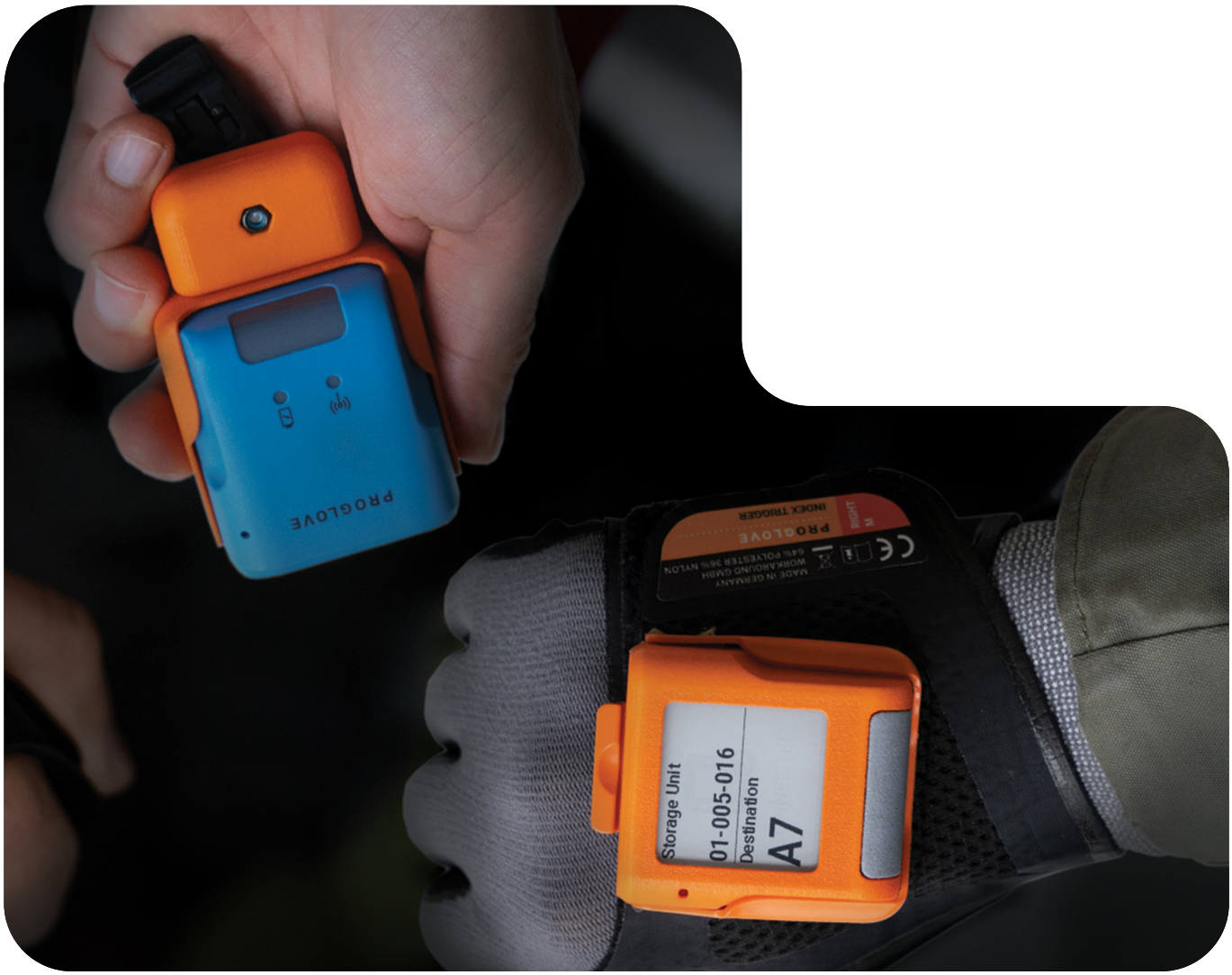
Use Case 3: Connection to the warehouse management system

ProGlove's MARK displays are fully integrated into the REICHHART warehouse management system. The programming and integration to the in-house logistics software was done initially by the central IT team for the launch. Connection of all scanners and optimization of performances takes place at the individual warehouse level. All scanner data is fully integrated with the WMS.

Results

With ProGlove devices, REICHHART facilities save approx. 4 seconds per scan. A significant efficiency gain that can easily be extrapolated given the large number of scans required daily during assembly processes.

REICHHART has succeeded in establishing an ergonomic, seamless and high-quality validation process that saves time and money and improves overall employee satisfaction.



Outlook

As an innovative logistics service provider, REICHHART plans to upgrade all its sites to the latest scanner generations to further optimize and digitize its processes.