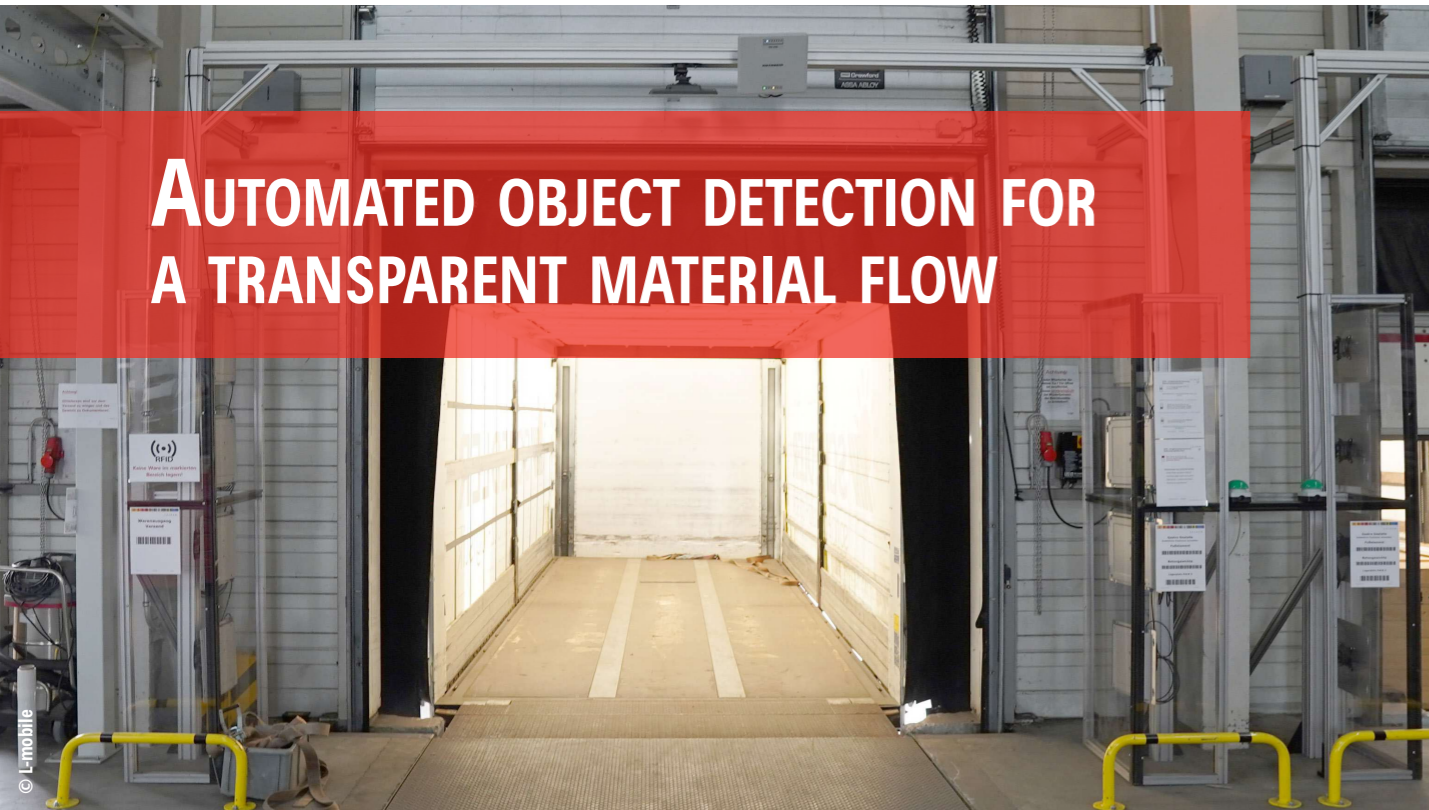


CASE STUDY | RFID GATE AT LEINER GMBH'S OUTGOING GOODS DEPARTMENT

Companies with a high throughput of outgoing goods are often faced with the challenge of optimal time and delivery management. It is important to check whether the outgoing parcels are the right ones, whether all labels have been scanned and whether the delivery is complete. The solution for flawless deliveries is an automated and transparent material flow.

AUTOMATED OBJECT DETECTION FOR A TRANSPARENT MATERIAL FLOW



INDUSTRIE Logistics

About the Leiner GmbH

- Production of awnings / Beschattungsanlagen
- 150 employees
- Specialized logistics and transport system

Key Benefits

- Automated recording of tagged parcels in outgoing goods area
- Bulk recording at the RFID gate replaces manual scanners
- Direct data transfer to the ERP system
- No more time-consuming search times

KATHREIN PRODUKTE

- RAIN RFID Reader RRU 4500
- RAIN RFID SSMH Antenna

PARTNER BENEFITS

- Customized RFID gate development based on KATHREIN standard products.
- Project implementation by KATHREIN partner L-mobile

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I would definitely recommend an RFID-supported goods issue. It avoids a lot of errors, saves time and, of course, the time saved also saves costs."

Florian Lahoda, IT Manager, Leiner GmbH

Long search times due to manual processes

The consequences of a lack of digitalization of logistics processes quickly become apparent in many companies: a huge loss of time due to manual scanning and booking of goods, high error rates and ultimately inefficient processes.

Leiner GmbH also faced this challenge. The medium-sized company from Bavaria has been producing high-quality awnings and shading systems for the German and international market since 1975. Here, too, the employees in the shipping department were busy preparing the products for delivery. Instead of their main task – packing the awnings – they spent a lot of time scanning and checking that the goods were complete. They were also unable to check for certain that every box had been scanned by hand.

Solution: Automated recording with RFID Gate

Leiner GmbH therefore decided to install a RFID system from L-mobile with stationary RFID readers from KATHREIN Solutions. In this way, the work processes in the outgoing goods department were automated, making them reliable and time-saving.

When the awnings arrive in the packing area, the respective order is selected using the production documents generated by the hand scanner. The shipping labels for this order are then printed with RFID chips directly at the workstation and attached to the packages.

As soon as the carrier arrives to collect the goods, they are simply pushed through the RFID gate. Due to the bulk detection of the RFID labels, it is no longer necessary to scan the goods individually. During the RFID loading process, the data is automatically recorded in a database table so that the current location of the goods can be tracked at all times.

Great time and cost savings

One of the biggest advantages of the RFID system is the huge time saving. Whereas it used to take up to 40 minutes to scan individual parcels, employees can now complete this step in a maximum of two minutes with the RFID gate. As there is a high volume of packing and shipping in the seasonal business, especially in the peak season, the RFID solution is particularly helpful because search times are reduced, employees can get on with their actual work and the error rate is reduced. Another plus point: there is now 100% certainty that every box has been scanned and that the delivery has been fully recorded in the ERP system.

The employees at Leiner GmbH were very positive about the RFID gate. Thanks to the simple and user-friendly handling, they got to grips with the new software solution from L-mobile very quickly. And thanks to the RFID readers from KATHREIN Solutions, both time and costs are saved.

In addition to its use in outgoing goods, RFID technology is also suitable for many other applications: automated object detection also ensures a transparent material flow in incoming goods, warehouses or production. Solutions such as pick-by-light, e-kanban or electronic labels enable seamless tracking of materials, orders or goods.



Figure: the KATHREIN RRU 4500 readers were installed directly above the loading gate, and the SSMH antennas to the side of the gates to capture the tagged parcels.