

Spedition Scherbauer

70,000 square meters – one single solution



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Long range solution simplifies processes / Ease of administration in the software

Controlling vehicle site access is vital for the timely and secure movement and handling of goods for transport and logistics companies. With a site that covers some 70,000 m², Spedition Scherbauer operates one of the largest and most up-to-date logistics terminals in the Regensburg / Eastern Bavaria region – and they have placed their trust in the long range solution from primion.

The requirements were clear. Only authorised tractor units, vans, swap bodies or trailers should be able to drive into or out of the company's site. The system should monitor the vehicles entering and leaving and in the case of an attempt to gain unauthorised access, an alarm should be triggered. All relevant processes should be mapped in the software and there should be an audit trail: Which area of the site is the tractor unit in? When did it enter the site and where did it hitch up to the swap body? All information is available quickly and clearly at all times. A lot of data has to be bundled and channelled, in order to be able to deliver the rights goods, at the right time, in the right way, on the right day to the right customer.

In many cases, complete value creation chains are dependent on keeping to agreed schedules. Spedition Scherbauer works very closely with the automotive industry. The punctual delivery of spare parts for example, is essential and is a basic requirement for establishing and maintaining a stable business relationship. For primion, this meant that the new system had to be installed and tested while Scherbauer was operational, because the company guarantees its customers a 24/7 service. There was no question of interrupting the company's processes during installation. In order to ensure a functioning system of control and monitoring, structural modifications had to be made to the entry and exit points to the site. Traffic islands were built and vehicle lanes were established so as to define an area where the long range readers could reliably receive the wireless signals for the barriers that were being controlled by the access control system.

Masts had to be built for the installation of the readers and traffic signs had to be set up at strategic location. The vehicles were equipped with transponders fixed



The Spedition Scherbauer site covers 70,000 m² and is home to one of the most up-to-date logistics terminals in Eastern Bavaria

to their windscreens. The business-card sized stickers, with their integrated chip, were installed at the same position within in each cab so that there were no problems with the communication between the vehicle and the reader and then to the barrier. A similar process was used for the swap bodies. In this case, the transponders were mounted directly on the containers and trailers in a plastic housing.

When driving in, the transponder on the windscreen sends the signal to open the barrier to the long range reader, which for example, is mounted on a Stop sign. The readers are connected to IDT 32 control panels, which then send the signal to the prime WebAccess software. This checks whether the necessary access

authorisations exist and if so, sends the message back to the control panel to open the barrier. 1,000 master records can be managed in parallel. At the same time, the transponders on the swap bodies and trailers send the necessary information to the reader as they enter the site, to identify which carrier is where. The recorded data is managed in prime WebAccess through clear and user-friendly screens.

Using number plate recognition cameras and a corresponding interface to the Import/Export generator from primion, a comparison check is made between the transponder data and the assigned vehicle number plate. This ensures additional security.



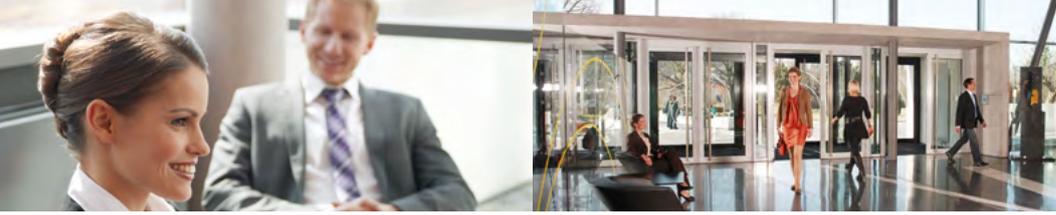
The long range readers are mounted on traffic signs



The transponders on the windscreen communicate with the reader



Transponders are also installed on the swap bodies



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