

Mercareon Yard Automation

Our yard automation solutions enable the warehouse location to integrate the registration into the software-based inbound management system. For this purpose, self-service terminals, license plate scanners or pager output systems are connected via standard interfaces. The driver enriches time slot and yard management solutions with additional information and details.

Features:

- **STANDARD INTERFACE TO CHECK-IN TERMINALS**
 Mercareon offers an interface to check-in terminals. All functions of these systems (e.g. operation in native language) can be integrated into our system landscape of time slot and yard management.
- **CHECK-IN WITH BOOKED TIME SLOT**
 Drivers with a booked time slot register themselves with reference to the booking and the status of the booking automatically switches to "arrival".
- **CHECK-IN WITHOUT BOOKED TIME SLOT**
 Drivers who deliver without a booked appointment check in at the registration. They will also get an "arrival" status in the system and a yardbook entry will be created.
- **ATTACHMENTS**
 Relevant documents can be attached to the booking by the driver at registration. These can be delivery papers or signed security documents, for example.
- **ENRICHMENT OF INFORMATION**
 Feedback from the driver is attached to the booking and visible to the goods receipt employee (e.g. read safety instruction, added vehicle/contact data).
- **SUPPORT OF CALL-OFF PROCESSES**
 At check-in the mobile phone number of the driver can be validated. After the registration a transfer of data (e.g. license plate number) to the display panel or gate control can be implemented. Certain vendors provide the integration of a pager output.

Challenges:

- » **Long queues and high workload at the gate and registration:** In all weathers, drivers usually queue at only one central registration point. Process automation is unattainable and the concept of central registration is not scalable.
- » **Communication problems with foreign language drivers:** If there are language barriers with drivers who do not speak the domestic language or speak it poorly, the registration process is delayed and critical safety requirements can only be communicated at great effort.
- » **Time delay and late availability of information about driver and vehicle:** Due to the time delay and the longer intervals between the registration at the gate and the transmission/entry of important details about the vehicle and driver, these are only available in the goods receipt with a delay. This causes avoidable, additional process times.

Possible check-in scenario*:



1. Truck driver registers at the self-service terminal with reference to his pre-booked time slot.
2. Or: Driver logs in at the terminal without a booked time slot, a yardbook entry is generated.
3. Critical information and safety instructions are given to the driver during the registration process.
4. The delivery note is recorded by the terminal, digitalised and attached to the booking.
5. Necessary details such as license plate number and mobile phone number are added by the driver.
6. The recorded information is transmitted to all relevant third-party systems (e.g. barrier control or display panel).
7. The unloading status is displayed in the time slot management is set to "Arrival" and displayed in the Live Yardview.
8. Driver is called up via display board, pager or SMS.

Benefits:

- » Avoiding long waiting times and delays during the registration process
- » Positive perception by drivers as an attractive place to unload
- » Easy-to-scale solution that enables a decentralised organisation
- » Automation of relevant yard processes
- » Registration in the drivers' native language minimizes communication problems
- » Automatic transfer of necessary details of the vehicle and driver to all relevant places and systems at the time of registration

*Check-in terminal of third party suppliers connected with Mercareon via interface

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