

ARROW GATE®



The RFID gate with built-in SIEMENS SIMATIC technology, which is easy to integrate and flexible in its size, is a standardized system solution, based on certified industry standards, for bulk detection of objects.

Automatic booking with direction recognition

Thanks to intelligent filter software, incorrect bookings are avoided. With the integrated direction recognition, the system automatically transfers all data via a standardized interface to the TAGpilot application for incoming and outgoing goods.

Plug & Play service concept reduces downtime

Since all your ARROW GATE® settings and system data are stored on an already integrated memory card, the control cabinet can be replaced and immediately put back into operation in the event of service in just a few steps.

Flexible construction and can be installed without a specialist

The IEC-certified components are individually adjustable in length and width and can be set up independently as a plug & play system in a very short time without the need for a specialist.

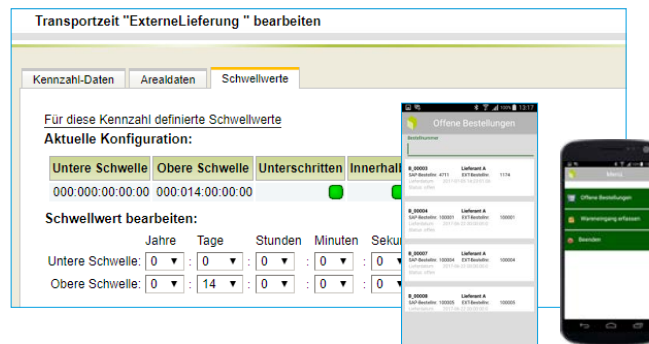
Use case 2 - External suppliers

1. Marriage of packages with delivery number, delivery by external partners

- Barcode scan of the pre-initialized & pre-printed RFID labels of the delivery with TAGpilot application on the smartphone
- Barcode scan of delivery note with TAGpilot application on standard Android smartphone
- Data is linked and transmitted to TAGpilot:
 - TAG-ID of the delivery
 - Delivery note number
 - Origin (e.g. name of the supplier)
 - Delivery date (preconfigured)
- Announced deliveries are displayed on the monitor of the central warehouse

2. During parcels arrival at the goods receiving department

- Automatic scan of the delivery with ARROW GATE® using passive RFID function
- Status of the delivery is changed to „Delivered“
- Delivery is posted to new area „Goods receipt“
- Deliveries are displayed on the monitor in the central warehouse
- Automatic alarm for delayed delivery
- All status and area changes can be tracked in TAGpilot



SMART LOGISTICS

Standardized solution

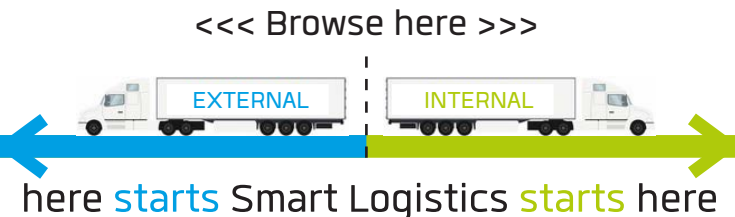
Goods receipt and goods issue

Key Features

- Automated analysis of your stock movements with autonomous processing
- Compatible with all standard interfaces
- Self configurable alarms
- Individually adjustable KPI
- State-of-the-Art Industry 4.0 Solution

Your benefits

- Quality assurance: Optimize your load carrier container management
- Cost reduction with low purchase and operating costs
- No investment costs for external suppliers: TAGs are provided by the recipient, supplier can use existing standard Android smartphone
- Reduction of downtimes as well as coordination times
- Creation of transparency in incoming goods
- Faster availability of your goods (2h vs. 2d)



Use case 1 - Internal material flow

1. Marriage of the full container with delivery number

- Equipping the containers with pre-initialized & pre-printed RFID/barcode labels or TAGS
- Barcode scan of the label or TAG of the container with a standard Android smartphone
- Barcode scan of the label or TAG of the delivery note with a standard Android smartphone
- Delivery is assigned to the container
- Data is linked and transmitted to TAGpilot:
 - TAG-ID of the container
 - Delivery note number
 - Container number
 - Origin (e.g. production)
 - Delivery date (preconfigured)

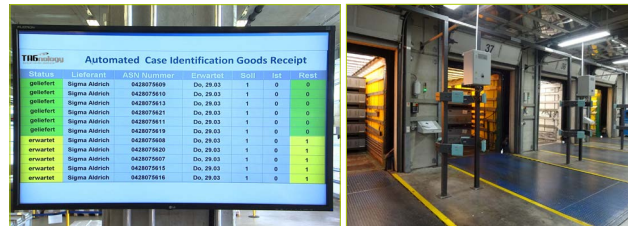


2. Delivery of the full container to its destination

- Automatic scan of the container at ARROW GATE® on delivery by means of passive RFID function
- Status of the container is changed to „Sent“
- Container is posted to new area „Transport“
- All status and area changes can be tracked in TAGpilot
- Planned inbound deliveries of containers are displayed on the monitor of the central warehouse for goods receipt

3. Arrival of the full container at its destination

- Automatic scan of the container at ARROW GATE® by means of passive RFID function
- Status of the container is changed to „Delivered“
- Container is posted to new area „Goods receipt“
- Delivered containers are displayed on the monitor of the central warehouse for goods receipt
- All status and area changes can be tracked in TAGpilot
- Standard interfaces (csv, xml, webservice) are available to exchange data with existing systems



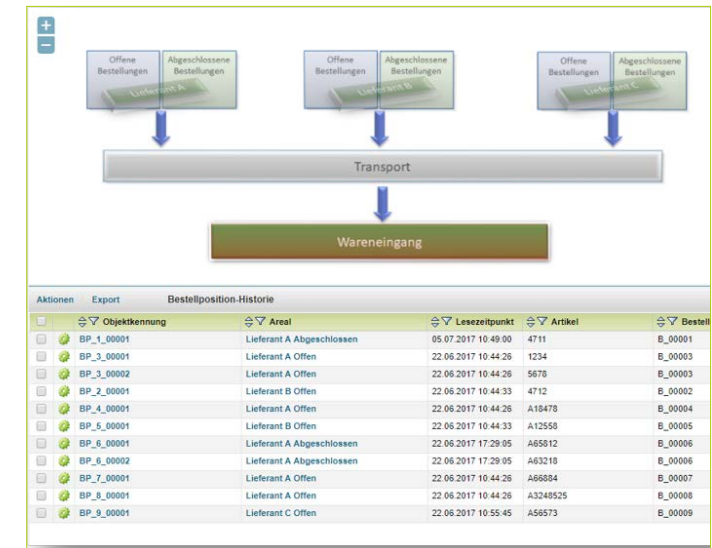
4. Return of the empty container from the place of destination

- Automatic scan of the container at ARROW GATE® by means of passive RFID function
- Assigned delivery is separated from container
- Status of the container is changed to „Return transport“
- Container is posted to new area
- All status and area changes can be tracked in TAGpilot

Objekt	Material	Menge	Status	Datum	Menge	Verantwortlich		
14	28.01.2020 08:28:41	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
13	28.01.2020 10:04:46	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
12	28.01.2020 10:54:34	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
11	28.01.2020 10:53:31	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
10	28.01.2020 10:51:02	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
9	28.01.2020 10:48:07	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
8	28.01.2020 10:01:34	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
7	28.01.2020 10:00:48	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
6	28.01.2020 14:48:50	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
5	28.01.2020 14:48:20	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
4	28.01.2020 14:30:58	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
3	28.01.2020 13:36:20	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
2	28.01.2020 13:36:00	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich
1	28.01.2020 13:36:00	adm@tagpilot	DEMOCAT_0001	Democentration	Ja	LS00000001	Extern	Verantwortlich

5. Delivery of the empty container to the place of origin

- Automatic scan of the container at ARROW GATE® upon delivery by means of passive RFID function
- Status of the container is changed to „Empty“
- Container is posted to new area
- Planned inbound deliveries of containers are displayed on the monitor of the central warehouse for goods receipt
- All status and area changes can be tracked in TAGpilot
- Standard interfaces (csv, xml, webservice) are available to exchange data with existing systems



Objekt	Material	Menge	Status	Datum	Menge	Verantwortlich
DEMOCAT_0000001	Zentrallager	28.01.2020 13:52:29				Intern
DEMOCAT_0001	Lieferant	29.01.2020 08:28:55	LS00000001			Extern

Objekt	Material	Menge	Status	Datum	Menge	Verantwortlich
DEMOCAT_0001	Lieferant	29.01.2020 08:28:55	LS00000001			Extern