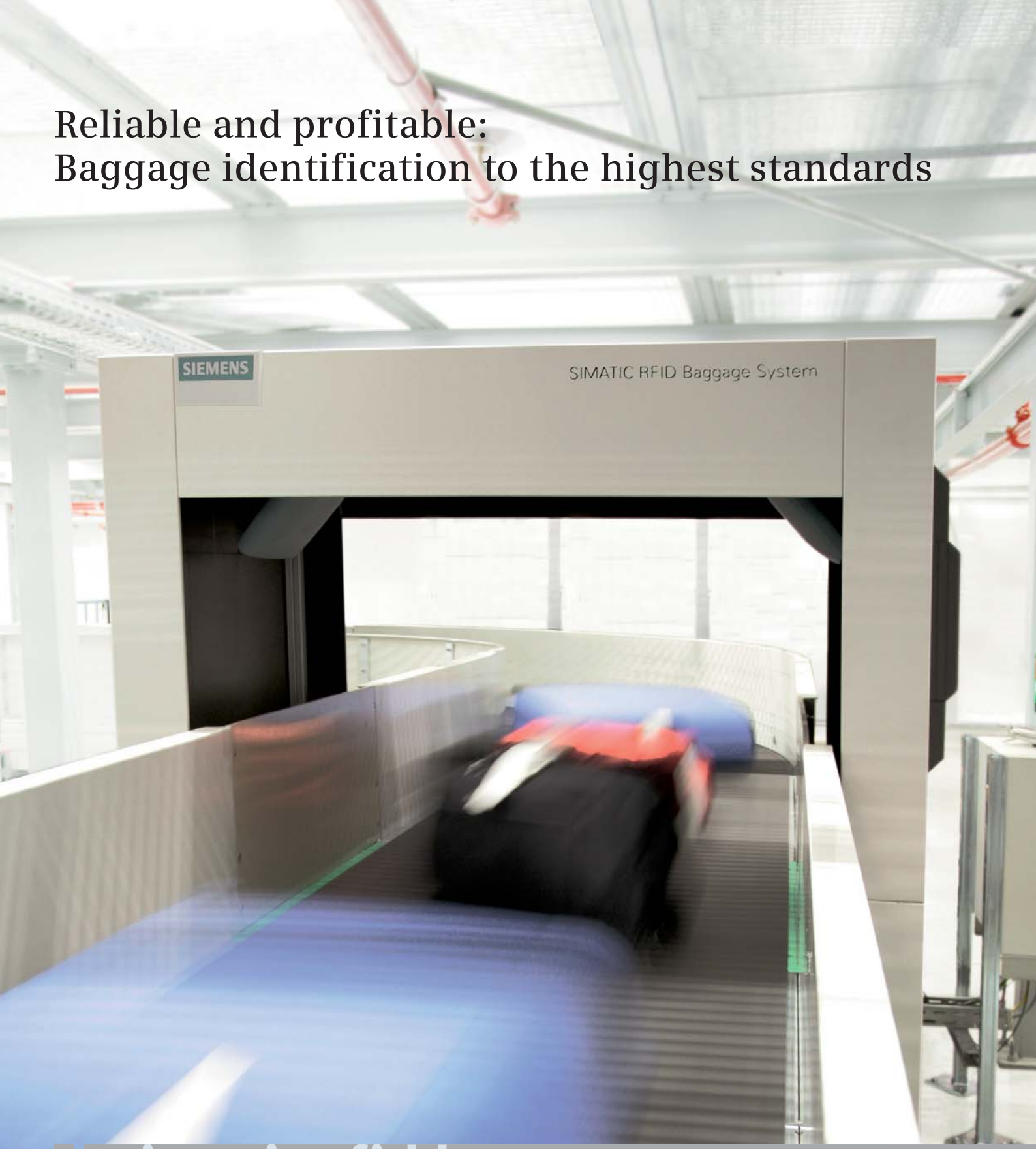
Reliable and profitable:
Baggage identification to the highest standards



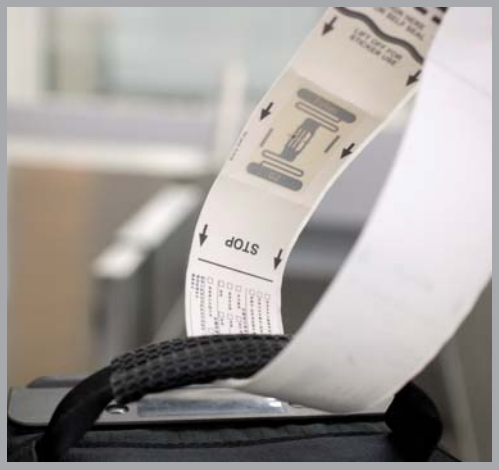
simatic rfid baggage system

www.siemens.com/simatic-rbs

SIEMENS

Improved efficiency in baggage identification

Today, flying is more attractive than ever: Passenger numbers worldwide are increasing at an annual rate of over five percent. This causes airports and airlines to face mounting challenges: Rising traffic and resulting baggage volumes, stricter security regulations, increasing cost pressures etc. The combination of all these effects has made baggage handling a critical point before, after and during flights – and thus a key factor for competitiveness. For this reason, baggage identification must be accurate, reliable and economical, today more than ever. Considering these facts, the call for new solutions and innovative technologies is not surprising. One solution is the use of RFID (Radio Frequency Identification) in the UHF range for contactless reading and writing of BagTags. According to the IATA (International Air Transport Association), the worldwide savings potential through the use of RFID solutions in baggage handling is a 3-digit million figure per year.



Bag with BagTag: Baggage tag with integrated antenna, microprocessor and memory for data exchange.

The SIMATIC RFID Baggage System for accurate baggage identification using RFID in the UHF range.

SIMATIC RFID Baggage System: State-of-the-art technology – proven and reliable

The SIMATIC RFID Baggage System (SIMATIC RBS) accurately and reliably identifies bags using RFID in the UHF range. SIMATIC RBS is designed so that adjacent systems do not interfere with each other. The integrated software is based on a future-proof system architecture. The high-speed processing of the data as well as intelligent algorithms are the prerequisite for tracking the exact assignment of baggage and data in the tunnel area (in real time) and the forwarding of the filtered data to the higher-level baggage handling system.

The innovation introduced by Siemens is based on the IATA recommendations RP1740c. The SIMATIC RBS is subjected to endurance tests under realistic conditions to ensure its operational reliability and throughput – and ensures a reliable commissioning on site. The system offers a wide variety of advantages. Convince yourself in a live demonstration at the Siemens Airport Center (SAC) in Fürth.

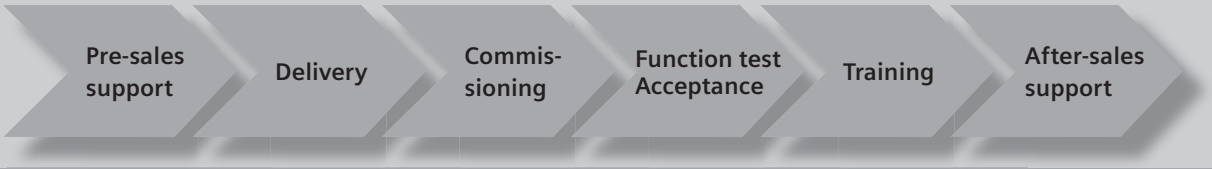
Best read rate
The SIMATIC RBS provides a considerably higher baggage identification read rate than systems using barcode. This significantly reduces the effort for manual post-processing, saving time and costs.

New perspectives through write capability
The SIMATIC RBS permits the data stored on BagTags to be updated as required, for example when flight data changes or a bag is assigned a new security status. The write capability opens up new opportunities in the baggage handling process, increases the level of security, and permits the reuse of the BagTags.

Flexible choice of BagTags
The system can read and write IATA-specified BagTags from different vendors.

Robust and easy to integrate
The SIMATIC RBS is industrial grade. The innovation is based on standard components from Siemens Automation and Drives, which prove their value worldwide every day. This facilitates integration, minimizes the installation and commissioning effort, permits accurate planning of the related durations and ensures the reliability of the system from the very beginning.

We support you as your partner across the entire life cycle of the SIMATIC RBS.



SIMATIC RBS: Baggage identification to the highest standards

Robust system based on world-class standard products

Best read rate for unique baggage identification

Simple integration in baggage handling systems

Live at the Siemens Airport Center
The Siemens Airport Center (SAC) in Fürth is a globally unique center for innovation, planning, training and testing. Here, our experts develop and test trendsetting solutions for airports and airlines, always in close cooperation with our customers. Covering an area of about 9,000 square meters, the complete infrastructure of an airport is modeled in a compact form.

The baggage handling system that is installed in the SAC, with a possible throughput of 30 million bags per year, is one of the largest in Germany.

Strategic partner of IATA
Siemens, as a strategic partner of IATA, takes an active part in the design of new international standards for airports.

Trendsetting innovation
Come and experience the SIMATIC RBS – the high quality, robust design and easy integration of our trendsetting innovations. Visit us at the SAC in Fürth for a guided tour.

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Subject to change without prior notice
21/7156 MK.SE.SH.SH4X.52.7.01 WS 09071.
Printed in Germany

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