PSIairport

Software for passenger and baggage handling

PSI

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1. Benefits and goals: What you can achieve with us

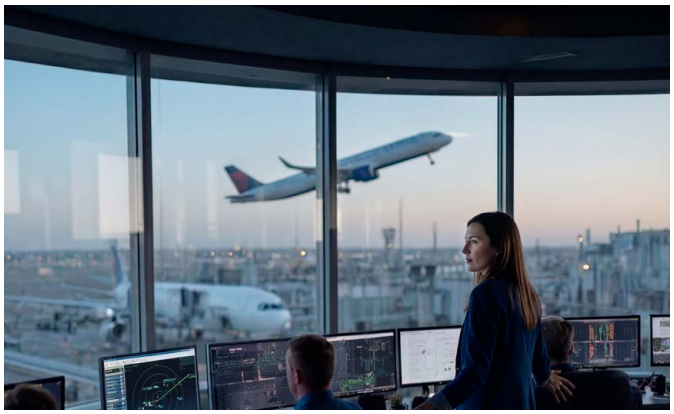
PSIairport enables efficient, service-optimized, and sustainable processes in passenger and baggage handling.

Constant increase in passenger numbers, limited room for expansion, and rising demands with regard to availability and service quality, require intelligent systems to optimise process flows and make existing procedures and systems more efficient. Continuous mapping of all relevant data also plays a central role. This can be done across all hierarchy levels through the use of integrated IT systems.

Solutions for passenger and baggage handling have been the main focus of our airport systems for many years. We provide comprehensive system, network and complete solutions to airports, airlines and ground handlers – from planning to service:

- Analysis and consultancy
- Implementation and customer-specific modifications
- Delivery of hardware and network solutions
- Staff training
- 24/7 service

We offer our PSIairport solution for easy and transparent linking of all airport systems. This can be used to flexibly configure interfaces, integrate new systems, and distribute information with filtering and control.



Transparent data. Efficient processes. Better decisions. PSIairport

The success of our solutions is reflected in our long-standing customer relationships and long-term partnerships. 7 out of 16 international airports in Germany rely on solutions by the Business Unit Logistics. From the beginning of the project we work closely with customers and partners to guarantee maximum practicality.

By using our custom software solutions, PSIairport customers are able to tap their full potential in day-to-day operations. Decreased operating costs, increased transparency and smoothly linking all systems make the baggage-handling process more efficient.

Benefits:

- Mapping of all relevant data across several hierarchy levels
- High availability and fail-safety thanks to system checks and monitoring
- Operational cost savings
- Secure and transparent baggage handling
- Process optimization and increased efficiency
- Advance planning
- Individual, integrated concepts according to requirements – from check-in to baggage loading

2. Modular solutions: Tailored to your baggage logistics

Start with a specific project and discover the PSIairport modules for transparent and efficient passenger and baggage processes.

Our **baggage handling system, PSIairport/BHS** optimizes the baggage flow in airports and integrates the related airline, airport and ground handler.

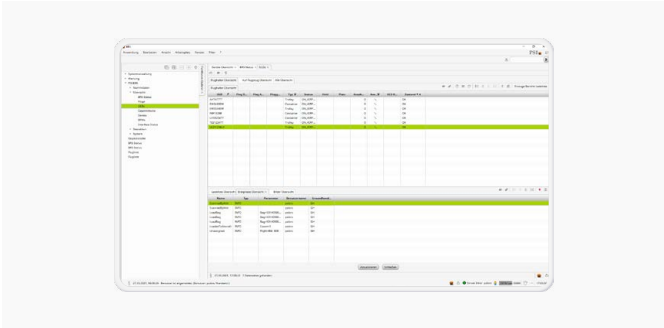
PSIairport/BHS

Baggage Handling System

- Supports emergency operation strategies
- Automatic planning tools
- Early baggage storage management
- Integration of CCTV systems
- Customisable statistics on the complete baggage flow
- Comprehensive monitoring tool
- Mobile extension

Our **baggage reconciliation system PSIairport/BRS** ensures that no baggage gets on board the aircraft without the passenger.

PSIairport/BRS



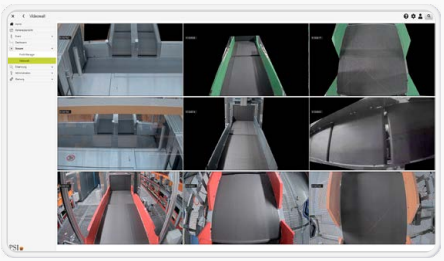
Baggage Reconciliation System

- Automatic recording of incoming and outgoing containers (container management)
- Mobile solution with Mobile Data Terminals (MDT)
- Monitoring with reports and statistical analyses
- Transport history tracking
- Also available as a cloud solution – offering quick and efficient use

2. Modular solutions: Tailored to your baggage logistics

CCTV combines high-resolution video tracking and documentation with AI methods for object detection and classification. This solution delivers a complete real time localization system based on video supervision to track baggage or any kind of carriers, boxes or parcels in a sorting center.

PSIairport/CCTV

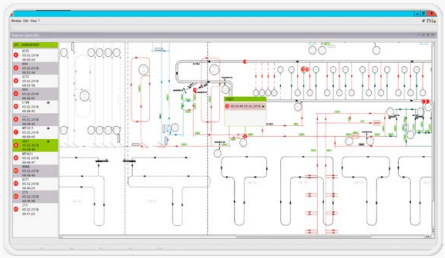


Video monitoring

- Real-time baggage classification from check-in to the aircraft
- Combination of video surveillance and documentation with AI methods
- Targeted analysis of camera images per piece of luggage
- Real-time localization of baggage or any type of carrier, box or package

Our **infrastructure packages and services** which are designed for the specific requirements of airports, once again ensure that your operations run smoothly.

PSIairport/IT



Infrastructure and services

- Delivery of server systems specially tailored to airport requirements
- Planning and installation of networks (copper, fibre optics, WiFi and site-to-site VPN)
- Delivery of IT equipment (hand-held scanner, work stations, displays, etc.)
- Planning and installation of camera systems as well as of sorting displays (FNA) and 24/7 support

3. Central computer system exchange

We adapt the PSI central computer system for the baggage handling system and ensure that it works in line with current standards.

Takeover of existing functions

By using our proven PSI communication gateway, we can fully control the telegram flow of the existing system.

Step 1:
Analysis and rapid replication of the old telegram traffic

Step 2:
Full or partial operation of the existing system by a new PSI master computer

Conversion of the existing plant

Depending on how far conversion has progressed, new functions and interfaces can be integrated into the PSI central computer system, also with the aid of the communications gateway.

This enables the permanent availability of the central computer system level, which very flexibly brings together existing and new elements to create a luggage sorting system that is constantly functional.

Our partner network includes:

MATERNA Information & Communications

VANDERLANDE

ACI EUROPE WORLD BUSINESS PARTNER

4. From goal to result: The success factors for your project

How PSIairport creates measurable added value in baggage handling

Factors

- Comprehensive project expertise:
Successful implementation of greenfield and brownfield projects in collaboration with our partners.

- Maximum flexibility:
Based on established standards, we are always able to adapt our solutions to individual customer requirements.

- Future-proof technology:
Thanks to consistent market orientation and continuous development, our products are always state-of-the-art and guarantee you future security.

- Optimal service:
Of course, we don't leave you on your own after the project is completed and offer you a 24/7 hotline, system monitoring, cyclical health checks, warranty management, spare parts supply, and CarePack management.

Successful customer projects

Our references provide information about the environments in which our systems are used, the solutions that have been implemented, and the added value they create in operation.

TO OUR REFERENCES →

WE ARE HERE FOR YOU!

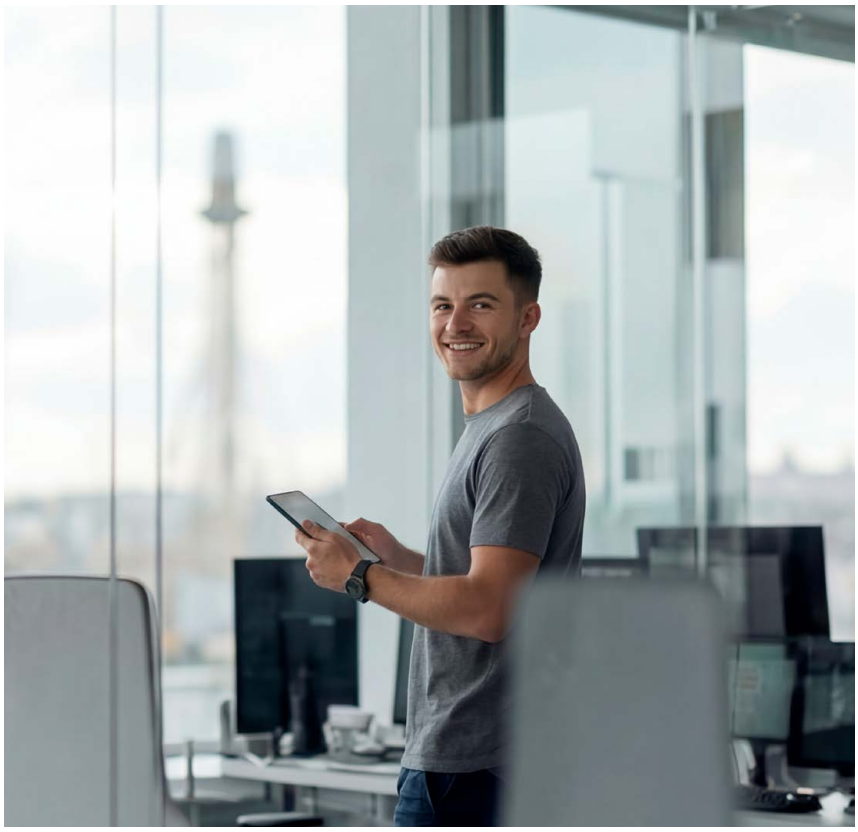
Would you like to learn more about PSIairport? Further information is available on our website:
www.psi.de/en/psiairport

Customer excerpt:

Köln Bonn Airport · BER Flughafen Berlin Brandenburg · Hannover Airport · Albrecht Dürer Airport Nürnberg · Hamburg Airport · rostock airport the baltic port

Contact

Would you like to find out more, or do you have questions or feedback on this topic? Contact us, we will be happy to help you.



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Product page PSIairport

About PSI Software SE, Business Unit Logistics

For more than 50 years, PSI Software SE has been developing a comprehensive, integrated range of products for transparent material flows and efficient logistics management. The Logistics business unit is part of PSI Software SE and today bundles the company's logistics expertise. The business unit implements IT projects in logistics on any scale, across all industries, nationally and internationally, and is the right partner for companies in industry, trade, and services.

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