



# AIRPORT SOFTWARE SUITE MADE DIFFERENT

# AIRPORT SOFTWARE SUITE FOR BAGGAGE HANDLING SYSTEMS

## INSTALLATION



Sorter control

BEUMER Group combines some of the industry's most advanced Baggage Handling System High Level Controls (BHS HLC) with intuitive, web-based user interfaces to introduce new levels of ease and efficiency to the baggage handling process.



CrisBag® control

The foundation of the Airport Software Suite is a set of proven, standard controls modules.



Conveyor control

Each module implements advanced equipment control assuring optimum availability and reliability.



autover® control

The Airport Software Suite is based on fully redundant IT architecture. The entire solution is comprehensively tested on emulators prior to installation on-site.



HBS

The Airport Software Suite ensures that all bags are screened according to the appropriate international standards governing airport security.



Training simulator

The simulator enables trainees to experience live situations and to learn through different scenarios, such as future flight-schedule changes. It is also a valuable tool in error case investigations.



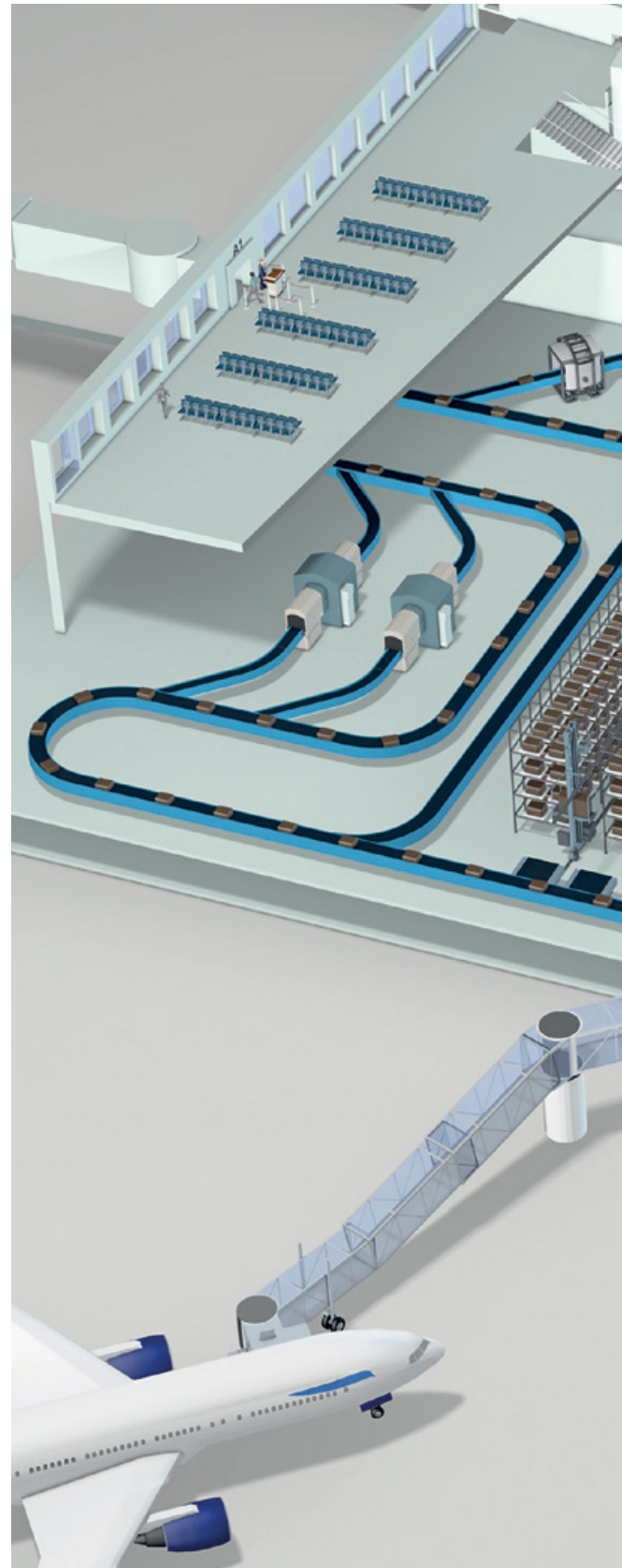
OCR/VCS

The Airport Software Suite interfaces to a range of data capture systems which range from traditional scanner systems to the latest RFID, optical character recognition (OCR) and integrated video coding system (VCS) solutions.

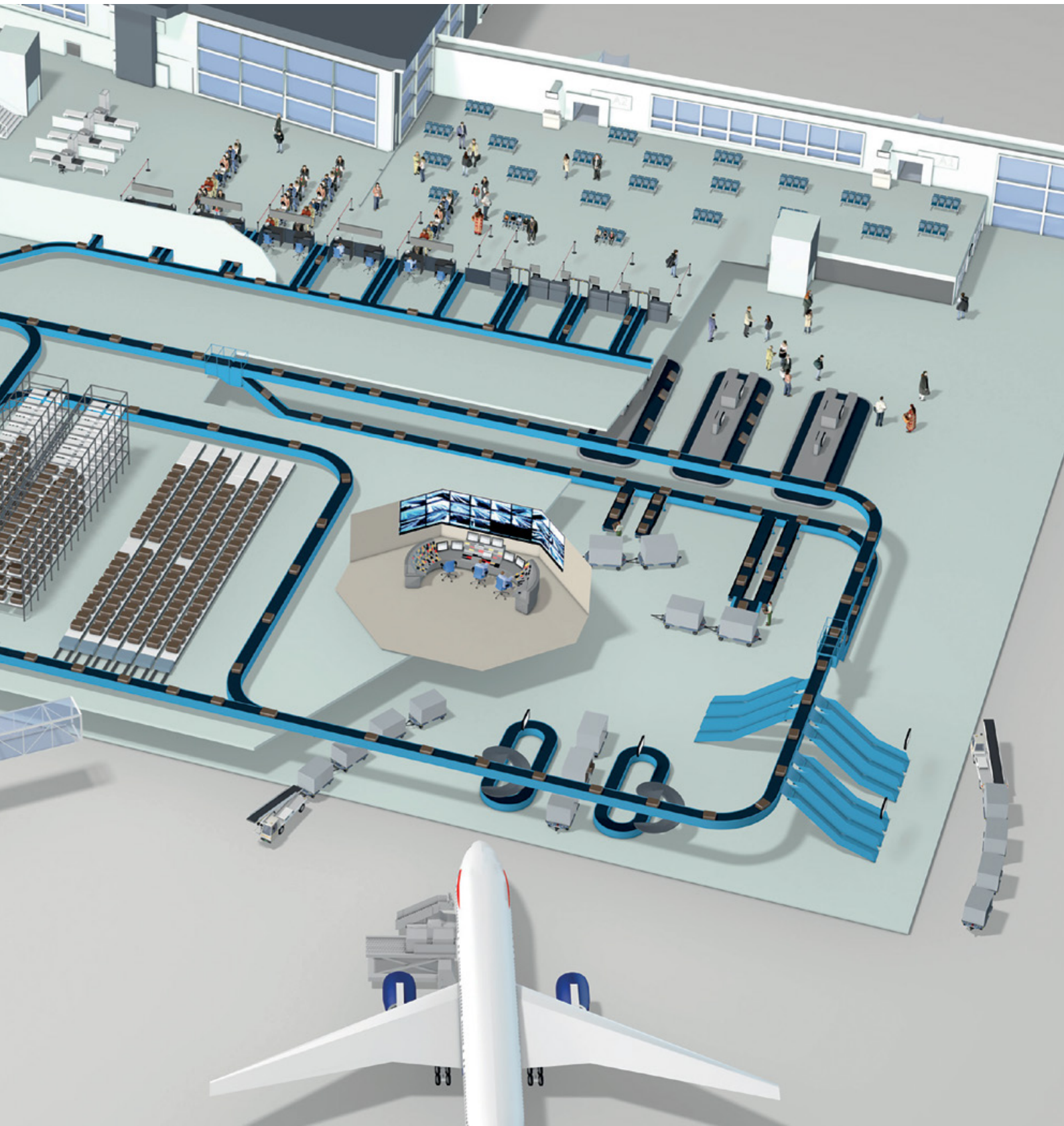


RFID

As system integrators, we have the knowledge that ensures an optimum setup in each airport to meet the target throughput and read rate requirements.



Clear, graphical overview enables effective use of the available sort destinations using real-time flight information.



# MODULAR, EFFECTIVE AND FIELD-PROVEN

## FLOW



Departure planning

Real-time flight information is displayed in a clear graphical overview to enable operators to assign destinations based on real-time flight information, allocate carousels using arrival baggage forecasts and co-ordinate departure baggage with Early Baggage Storage (EBS).



Arrival planning



BIWIS

The Baggage Image Weight Identification System (BIWIS) module eliminates the need for transfer baggage to be claimed and rechecked when passengers approach a U.S. Customs and Border Protection (CBP) primary inspection line.



Check in MES

The Airport Software Suite interfaces to a range of commercial off-the-shelf (COTS) check-in kiosks and self-bag drop solutions.

Once a bag is checked-in, the Airport Software Suite resolves the correct chute destination based on BSM information, flight allocation, onward destination, priority and travel class.



Destination resolving

The integrated Video Coding System (VCS) ensures prompt resolution of the destination for baggage handled via the Manual Encoding Station (MES). The VCS also provides flexibility by freeing operators from the need to be physically present at the MES at all times.



Manual handling



Routing

The Airport Software Suite automatically plans the optimum route for each bag to achieve the fastest possible transfer speed.



EBS

From simple shelf solutions to advanced and automated storage systems, the Airport Software Suite handles the storage of bags based on the flight number and enables any item of baggage to be retrieved individually on demand.

## MANAGEMENT



Management information

The Management Information System (MIS) includes configurable dashboards which provide real-time and historical overviews of system performance in addition to tools for optimisation and planning.



BIDS

The Baggage Information Display System (BIDS) provides live information on the previous, current and upcoming allocations for each operator in the make-up area.



Track'n'Trace

The Airport Software Suite complies with IATA Resolution 753. It seamlessly integrates the controls for conveyors, tilt-tray sorters, tote-based systems and independent carrier systems to provide 100% tracking and traceability at every stage of the baggage handling process.



BRS

The Baggage Reconciliation System (BRS) combines baggage management, tracking and automatic reconciliation with full compliance to ICAO Annex 17.



Host interface

Based on the standard IATA BSM interface (IATA 1745) and flight interfaces such as IATA 1797, the Airport Software Suite ensures integration with all major BSM and flight-industry data providers.



Visualisation and control

The combination of SCADA with a comprehensive alarm system and smart CCTV provides the foundation for effective root-cause analysis and management. The graphical display provides a multi-level visualisation of the complete BHS in addition to the status for each section. This allows operators to zoom into specific areas using live images from the CCTV.

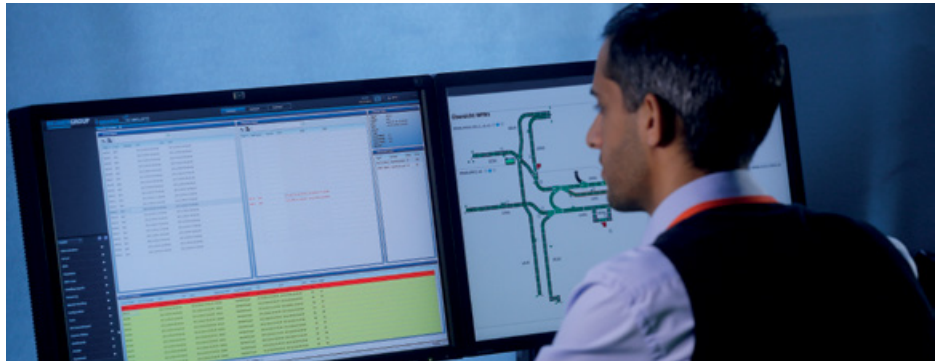


CCTV

The integration of the alarm system with the CCTV enables videos to be captured automatically to provide visual evidence of events.



Maintenance



**BEUMERGROUP** **CRISPLONT**

Desktop1 Desktop2 Desktop3 14:24:09 10/09/2015 administrator

Planning

<Type something to filter>

Thu, 10 Sep 2015

13:00 14:00 15:00 16:00 17:00

RT101 ToolLate, NoRoute, MultipleBSM, NoAllocation, NoBSM, SyntaxError, TooEarly, Noeard, EbsDump,

RT102 Late, Unload

RT103 AF100

RT104 DY100

RT105 SK100 BA400

RT106 SK200

RT107 BA300 SK300

RT108 SK400

RT109 BA200

RT110 BA100

Flight code	STD	Destin
✓ AF100	10/09/2015 17:12:00	CDG
✓ BA100	10/09/2015 17:14:00	LHR
✓ BA200	10/09/2015 17:14:00	MAN
✓ BA300	10/09/2015 17:14:00	BHX
✓ BA400	10/09/2015 17:15:00	MUC
✓ DY100	10/09/2015 17:12:00	BGO
✓ SK100	10/09/2015 16:55:00	BLL
✓ SK200	10/09/2015 17:55:00	ARN
✓ SK300	10/09/2015 18:55:00	FRA
✓ SK400	10/09/2015 18:11:00	MUC

Rows: 10

## THE BEUMER GROUP AIRPORT SOFTWARE SUITE IS EASILY CONFIGURABLE TO MEET THE INDIVIDUAL SPECIFICATIONS FOR EACH AIRPORT.

### EASY AND INTUITIVE USER INTERFACE

Each user can personalise their desktop by selecting which widgets to use in their individual profile. This ensures faster and more intuitive access to all baggage handling system data without the need to log-in and -out of different systems. Whilst users have the flexibility to include their own

choice of widgets, supervisors can lock must-have widgets to the desktops of all team members.

Ensuring that each bag is safely delivered to the right destination demands high levels of visibility, control and traceability. This includes planning and management as well as statistical analysis of baggage flow and Key Performance Indicators (KPIs). It also requires advanced simulation, training and optimisation tools to deliver continual improvement in employee productivity and process efficiency.





#### WEB-BASED PLATFORM

The intuitive user interface graphically integrates all of the software modules including those for peripheral equipment and subsystems. This gives operators a complete set of widget-based data on a virtual desktop, as well as secure access for operating and controlling the entire baggage handling system. The web-based user interface also extends access to the system from a range of platforms, including mobile devices.

#### MOBILE ACCESS

Using a web-based platform allows the Airport Software Suite to be accessed with the same user interface from a wide range of physical devices. These can include a workstation or video-wall in a central control room, as well as mobile platforms such as RF devices, tablets and smart phones. The types of devices with which operators, managers and maintenance teams can access the Airport Software Suite can be customised for each airport.

For more information or to find your local representative, please visit our website or send an e-mail.  
[airport@beumergroup.com](mailto:airport@beumergroup.com)  
[www.beumergroup.com/airports](http://www.beumergroup.com/airports)