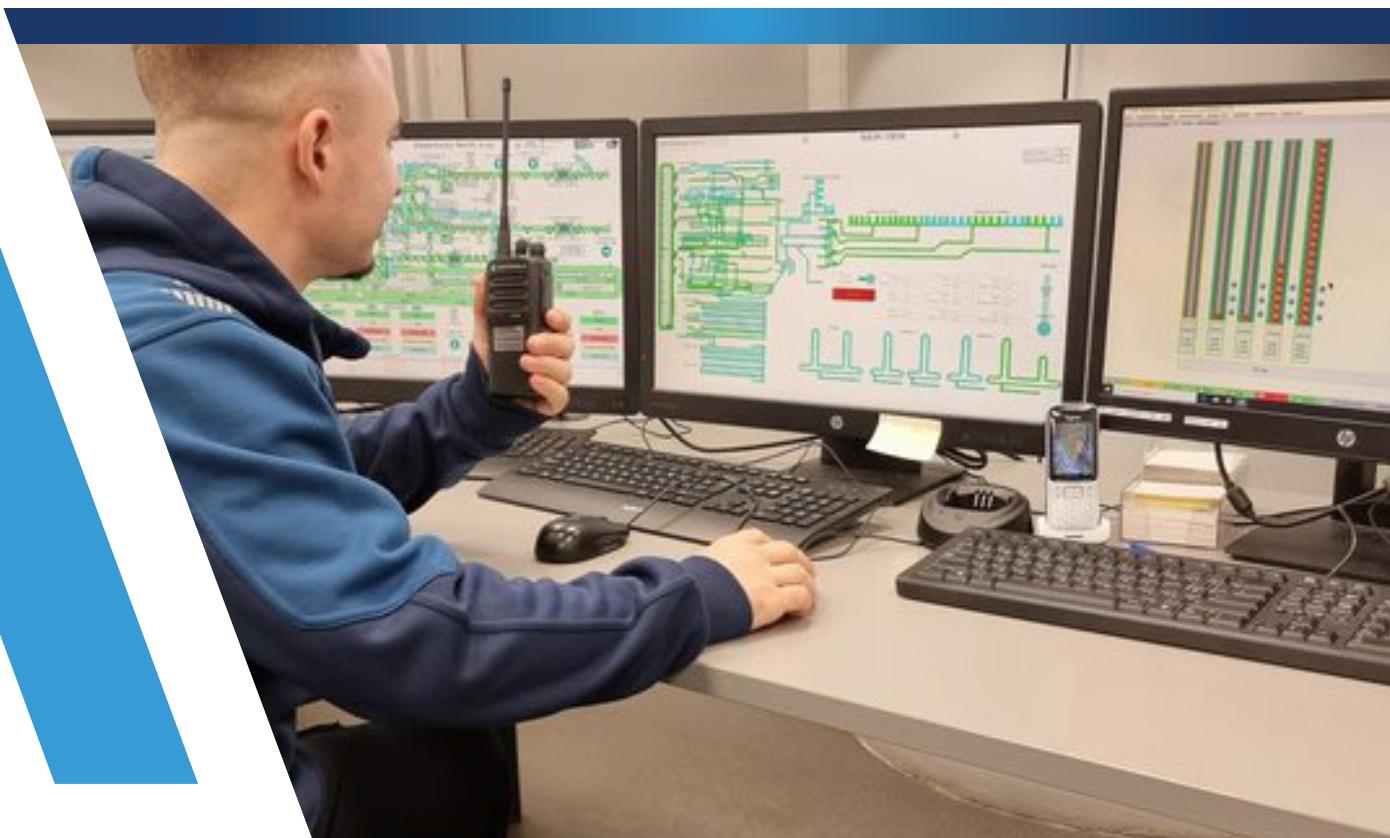


BAGware

BHS CONTROL, TRACKING, SORTATION,
VISUALIZATION, AND INFORMATION
SOFTWARE MODULES

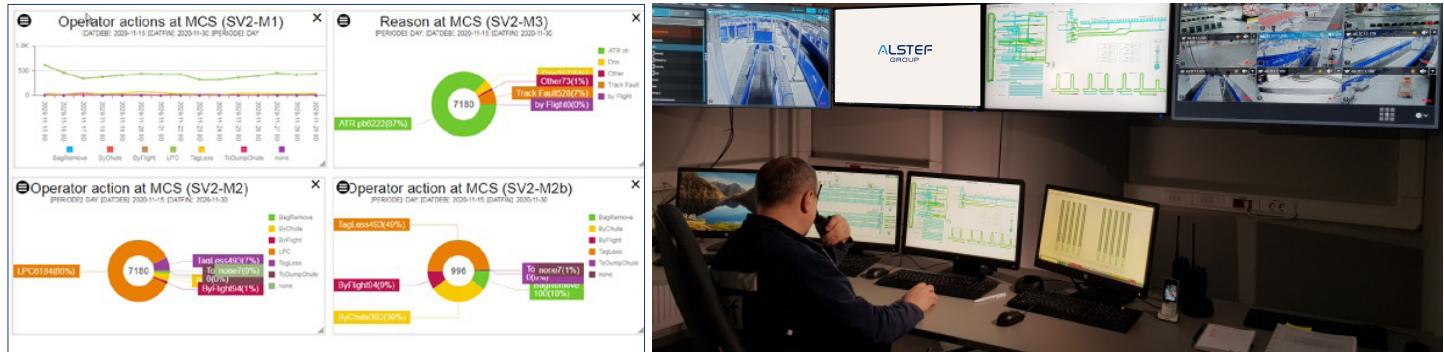


**BEYOND
AUTOMATION**

BAGware

A COMPREHENSIVE SUITE OF SOFTWARE

The BAGWARE suite of software includes a comprehensive, secure range of baggage handling system control, tracking, sortation, visualization, and information software modules to provide real-time bag traceability and full baggage handling system low-level and high-level control.



BAGsort

BAGSORT Sortation, Allocation, Control (SAC) software provides full sortation and flight allocation of outbound baggage, from check-in to flight make-up and through all levels of hold bag screening controls, monitoring and recording bag screening status information.

Compliant with IATA resolution 753, BAGSORT interfaces with airline Departure Control Systems (DCS) including industry-

standard SITA BagMessage and ARINC BagLink, and synchronizes with the Airport Information Systems and the FIDS/AODB via a one or two way data exchange relating to scheduled flights and sort allocations.

BAGSORT facilitates sortation system redundancy features, and ensures compliance with screening mandates while providing real-time traceability of each bag - reducing the number of delayed or lost bags. Unknown or problem bags are sent to a Manual Encode (ME) station which allows identification, encoding and induction back into the system.

CUSTOMIZABLE BAGSORT FEATURES

EXTENDED BAGGAGE SORTATION

Options range from carrier and basic flight sorting to any combination of flight, class, destination, and on-carriage flight sorting allowing the operator the ability to fine-tune and adjust the allocation of chutes or make-up carousels through a simple, ergonomic interface with feeds to flight make-up BIDS displays.

HIGH SPEED SORT SYSTEM INTERFACE

BAGSORT can interface to Tilt-Tray Systems or Cross Belt Sorters through logic particular to these types of recirculating train carrier systems; allowing monitoring of where bags are on the sorter, how many times they have circulated, assigning destinations etc. BAGSORT can also interface to ICS or DCV systems where bags ride in individual tote conveyor systems and are tracked through RFID chips attached to each tub.

EARLY BAG STORAGE/ BATCH MANAGEMENT

BAGSORT can manage the operation of bag storage systems and enables batch build and batch management solutions to optimize the use of make-up facilities.

FLOW CONTROLLER/ROUTING

This intuitive solution allows the collection and analysis of system health and availability data from each BHS PLC and uses it to divert baggage to the most optimal route if multiple routes are available.



BAGview

Our **Supervisory Control and Data Acquisition (SCADA)** solution, BAGVIEW, allows baggage handling system operators to monitor and control the baggage handling system components in real-time, via an intuitive dynamic visualization interface.

With advanced 3D baggage system visualization (or 2D display for legacy system upgrades), BAGVIEW is developed on industry standard SCADA/HMI platforms and provides unified situational awareness.

BAGVIEW allows full access to manage system components, alarms and faults; logging data and event records for its comprehensive reporting features. With fully customizable dashboards, BAGVIEW offer smooth navigation and control of the baggage handling system.

In response to the growing need for remote connectivity, the monitoring application can be accessed from a mobile device.

BAGVIEW has been designed to grow with your system and future requirements. System expansion and extra features can be added at any time, to enhance system performance and functionality.



BAGanalytics

A complete Management Information System / Business Process Intelligence solution, BAGANALYTICS interfaces to any BHS database to acquire and analyse data and visually

informs and guides users through a structured, easy to understand graphical interface.

Report builder functionality provides for extensive report customization and production of user-friendly, real-time reports and dashboards, tailored to operators requirements. All data is securely warehoused after operational use.

CUSTOMIZABLE BAGWARE MODULES

BIWIS

Our proprietary Baggage Image Weight Identification System (BIWIS) is developed to meet the requirements and standards of the US Customs and Border Protection (USCBP) pre-clearance facilities at foreign airports.

INTEGRATION WITH EMULATION

A 3D dynamic model of the BHS is created in an emulator and connected to the BHS PLCs to interface the same input and output triggers as per the real system. This allows the PLC, SCADA, and SAC components of the system to be tested and tuned on the test bench before taking the software to site.

INBOUND BAGGAGE DELIVERY (IBD)

An IATA 753 compliant inbound baggage delivery tracking solution to confirm inbound luggage is delivered to the destination reclaim carousel for collection by the passenger. IBD solutions can also be used to provide SLA data for airports to track ground handler performance.

PAX MONITOR

Enables the passenger's status to be monitored alongside the status of their baggage. Passenger information is collected at the various control points via their boarding pass, and is then associated with the status information of their baggage.

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