

VISUALISATION

REAL TIME 3D OVERVIEW

Faster and more informed decisions are crucial for ensuring shorter connection times and driving optimal performance from a baggage handling system. Visualisation technologies such as video walls, SCADA, tablet solutions and flow visualisation provide operators with fast and easy access to real-time data from every section of the baggage handling system (BHS).

3D FLOW VISUALISATION

Flow visualisation takes the BHS user interface to a new level. By offering real-time 3D flow visualisation SCADA of baggage flows, BEUMER Group's flow visualisation tool allows operators to navigate and inspect the BHS from a traditional control room or remotely from a tablet, which allows the operator to supervise the performance of any part of the BHS system from any location.

FEATURES

- › Flow analysis of historical bag and tote movement as well as routing
- › Intuitive user interface
- › Video wall and SCADA
- › Tablet solutions.

BENEFITS

- › Better insight to baggage flow and operational overview of complex systems
- › Reduces short-shipment of baggage
- › Releases operators from the control room
- › Improves workflow, productivity and business processes.

Using smart filters the operator gains access to overviews of different elements within the BHS, such as rush bags, no-reads, or all baggage for a specific flight. This level of flexibility and detail enables the operator to make fast decisions and respond rapidly to constantly optimise BHS performance.

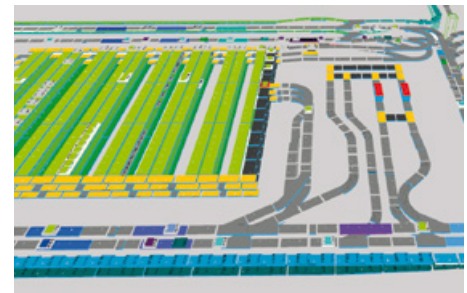
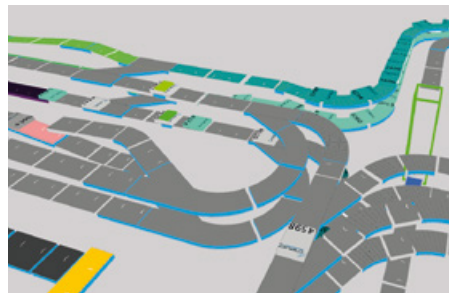
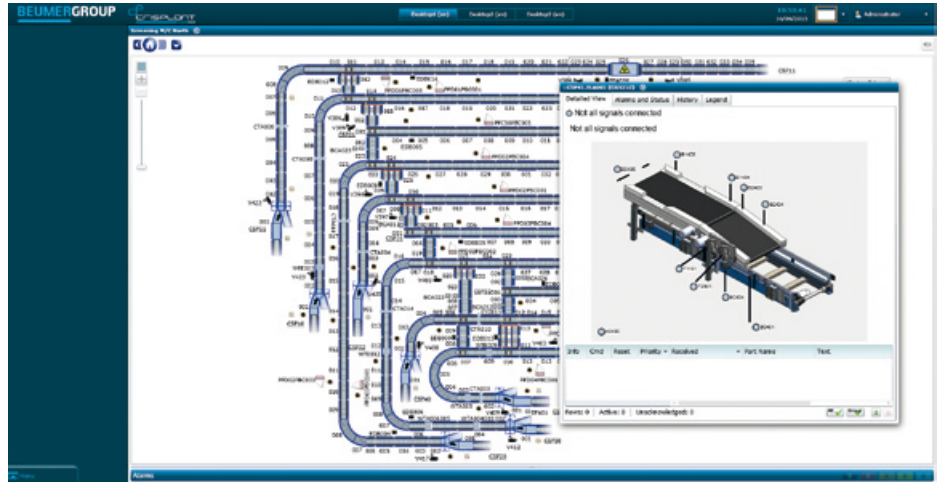
TABLET SOLUTIONS

In addition to acknowledging and responding to alarms via the tablet, the operator can navigate to relevant data or system documentation by scanning the barcode on each mechanical module of the BHS. The tablet enables the operator to access documentation, activate service mode for a particular module, or to access the track-and-trace data for baggage.

Depending on the total length, a carousel has one or more drive units. Carousel using two or more drive units can continue service with reduced load carrying capacity if one drive section fails. This redundancy comes from the principle of a self-adjusting friction drive. Integrated redundant drives automatically share the load if one drive section fails and baggage handling operations will continue uninterrupted. The self-adjusting friction drive also, minimises the wear and tear – a factor contributing to extremely low maintenance requirements.

VIDEO WALL & SCADA

The combination of SCADA with a comprehensive alarm system and smart CCTV provides the foundation for effective root-cause analysis and operational management. The graphical display provides a multi-level visualisation of the complete BHS including the status of each section. This allows operators to zoom into specific areas using live images from the CCTV. The integration of an alarm system with the CCTV enables videos to be captured to provide visual evidence of events as they occur.



VIDEO WALL & SCADA

- › Full overview
- › Integration with CCTV

FLOW VISUALISATION

- › Real-time views
- › Smart filters
- › Detection of bottlenecks
- › Analysis of historical data

TABLET SOLUTIONS

- › Flexibility
- › Track-and-trace information
- › Maintenance & documentation



SCADA