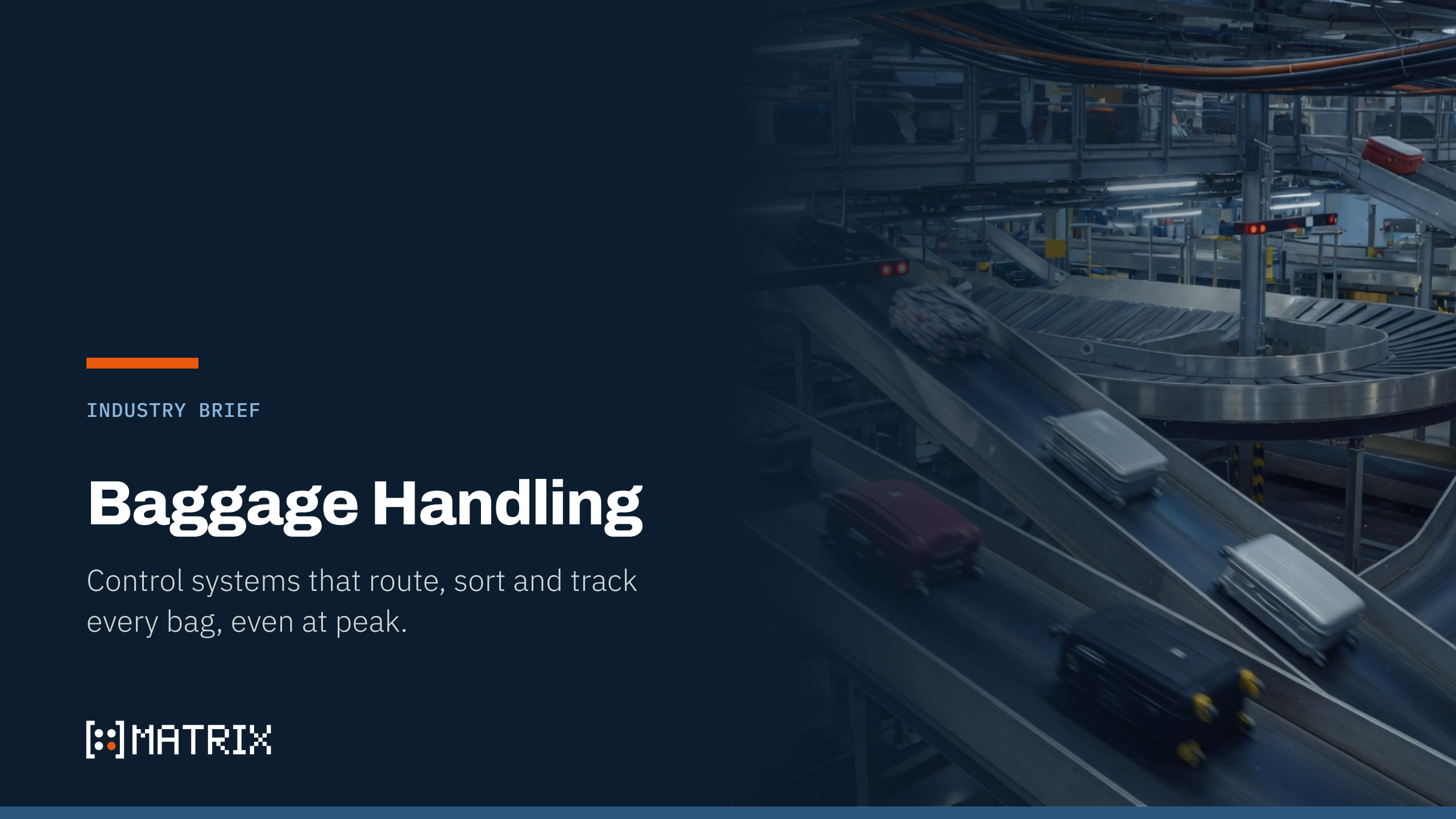




INDUSTRY BRIEF

Baggage Handling

Control systems that route, sort and track every bag, even at peak.

 MATRIX

What matters most

Availability at peak

A stopped conveyor at peak means missed bags and delayed flights. Controls must isolate faults, route bags around them and help your team recover quickly.

Every bag accounted for

Airlines must track bags at key points of the journey. Reads, sort decisions and exceptions need recording and passing on, so a mishandled bag is found fast.

Screening without delay

Every hold bag must pass through screening and be tracked through each level, with no way around it, while throughput stays high, even at the busiest times.

Safe for your people

Conveyors, lifts and sorters run close to handlers and maintainers. Guarding, emergency stops and safe access for maintenance must meet machinery safety law and standards.

The standards that shape your project

Standard	What it covers
ECAC Common Evaluation Process	European evaluation of hold baggage screening equipment against detection standards such as Standard 3.
IATA Resolution 753	Airlines' duty to track each bag at acceptance, loading, transfer and arrival.
IATA RP 1745	Baggage messages such as BSM and BPM, which pass bag and flight data between airlines, handlers and airport systems.
BS EN 619	Safety of continuous handling equipment for unit loads, including baggage conveyors.
BS EN ISO 13849-1	Design of safety-related parts of control systems, rated by performance level.
Supply of Machinery (Safety) Regulations 2008	GB law on machinery safety: essential requirements, conformity assessment, marking and declaration.

The standards listed are those most often relevant to control-system work in this sector. Which apply to your project, and how, is agreed with you at specification stage.

From specification to long-term support



Baggage systems rarely get a quiet day. We test sort logic and screening interfaces against a simulated system before site, then phase cut-overs around the flight schedule with fall-back routes agreed. You receive the design, code, safety documentation and method statements your team needs to keep bags moving.

Systems we engineer

- Check-in and transfer input conveyors
- Hold baggage screening integration
- Sortation, diverters and make-up
- Automatic tag reading and bag tracking
- Early bag storage
- SCADA, alarms and performance reporting

PLATFORMS WE WORK WITH

Siemens TIA Portal, S7 and PCS 7 • Rockwell • ABB • Schneider • Mitsubishi • Beckhoff • Emerson DeltaV • Honeywell • GE • WinCC, Ignition, AVEVA (Wonderware), FactoryTalk, iFIX and Citect SCADA

The evidence you receive at handover

✓ Functional design specification

✓ I/O list and cause-and-effect

✓ Alarm list and HMI interface

✓ FAT and SAT records

✓ As-built drawings and source code

✓ Method statements for common faults

Why customers choose us

Standards first

An ISO 9001 certified quality system, designing to the standards your sector demands, plus any you specify.

You own the system

Clear structure, open interfaces and complete documentation, so you can support it yourself or with any vendor.

Tested before site

Control code is version-controlled and tested against a simulated plant before factory and site acceptance.

Multi-vendor

Siemens, Rockwell, ABB, Schneider, Mitsubishi, Beckhoff, Emerson, Honeywell and GE platforms.

In it for the long term

For us a project is not finished until the control system is decommissioned. 24/7 support is available under a support agreement.

OUR PROMISE

Standards-led, fully documented control systems that you own and can support.

GET IN TOUCH

Talk to us about your project

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