



# SMART CONTROL

## Dependable Baggage Handling System Control

### Solution Highlights

- Focus on increasing throughput and tracking accuracy while lowering operating costs
- Factory Acceptance Testing and I/O emulation allows the customer to test drive the complete system before commissioning begins
- Inline EDS solution certified by Department of Homeland Security
- Extensive regulatory experience including TSA, DfT, CATSA
- Standard code generation ensures rapid development, proven results and programs that are consistent and easy to maintain
- Functional Specification describes the operation and functionality of the system before the programming begins

### Weak Controls - A Significant Risk Factor

- When implementing airport Baggage Handling Systems and In-Line Explosive Detection Systems (EDS), it has been demonstrated on numerous occasions that the real-time controls system is critical to the successful completion of a project and to overall system performance. Poorly implemented controls solutions lead to projects being over-budget, with lengthy schedule delays.
- In the long term, the implication of poor system performance is that bags routinely miss flights, operational and maintenance costs are higher, throughput is less than expected, and the life of the system is reduced, all of which increases the total cost of ownership.

### SmartControl - A Dependable Solution You Can Bank On

- With certification from the Department of Homeland Security and a proven track record of delivering over 50 baggage handling control systems, Brock's SmartControl is a dependable solution you can rely on to maximize system performance and lower the total cost of ownership.
- Brock's approach to complete system testing using I/O emulation allows our customers to test drive the new system prior to on-site installation, greatly reducing risk and commissioning time.



- PLC Programming
- System Simulation
- System Emulation
- Electrical Design
- Distributed / Centralized Architectures
- Operator Interface Programming
- Panel Fabrication
- Integration with Bag Screening Devices

*"How well the Baggage Handling Controls systems were implemented was the most significant bearing on the level of performance for the overall system. Currently some of our best performing BHS and in-line EDS systems are controlled by Brock's SmartControl solution. The proven design and fully tested Brock system significantly reduced the risk for SWA."*

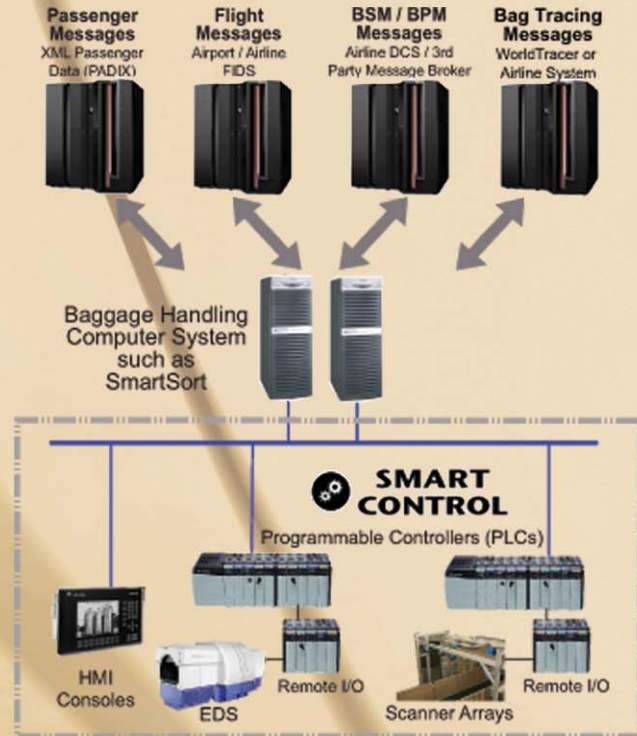
*- Jimmy Dickerson, Manager Federal Airport Security Technology*



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solutions

## SmartControl - A Recognized Leader

- Brock can design, build and install new systems, or retrofit existing systems. Thorough testing and a comprehensive implementation plan minimizes the impact to operations.
- Brock has experience using all major programmable controllers including Rockwell/Allen Bradley, Siemens, Schneider, GE Fanuc and Omron.
- Human Machine Interfaces (HMIs) provide maintenance personnel and operators real-time visibility into how the system is functioning.
- SmartControl pairs with SmartSort to provide a reliable, cost effective baggage handling solution with complete visibility for bag room personnel and management.



SmartControl can be implemented as a stand alone system or integrated with other SmartSuite modules providing complete end-to-end tracking of passengers and their baggage.

## About Brock Solutions



Having completed over 4,000 automation projects worldwide, Brock Solutions is one of the largest industrial engineering solution providers of real-time automation systems for manufacturing, transportation and logistics. Brock Solutions is proud to be named the 2009 Control Engineering System Integrator of the Year.

Brock Solutions is an IATA Strategic Partner helping airports and airlines improve their operations through a number of solutions including passenger bag drops, passenger security and tracking, bag management and recovery, baggage handling systems and in-line explosive detection systems.



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