

MDT AutoSave



Automation Change Management for Airport Baggage Handling Systems

SECURE RESTORE SAVE PROTECT DISCOVER TRACK CONTROL TRACK RECOVER MANAGE UNIFY SECURE RESTORE

The management of baggage is one of the most challenging operational issues faced by airports today, resulting in the installation of highly complex baggage handling systems. In order to maximize transport and sorting efficiency, and effective security screening, state-of-the-art systems use HLPLCs (High Level Programming Logic Control) to direct the routing of the baggage, X-ray PLCs to perform screening, and LLPLCs (Low Level PLC) to operate Transport Conveyors and Baggage Reclaim.

These PLCs provide flexibility and ease of use for a maintenance engineer to adjust or modify programs. But, most PLCs do not maintain a record of when a program is changed, who made the change and why the program was changed. This can cause major security issues as well as operational problems when a PLC fails. Change management of the PLC is vital for the proper maintenance of automated baggage handling systems.

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Changes happen. Manage them.

MDT AutoSave is used by airports and the world's leading companies in every segment of the manufacturing industry to effectively manage change in their automation environment.

MDT AutoSave is a comprehensive suite of tools to protect, save, restore, discover and track changes in the programmable devices used in baggage handling systems, ensuring high availability and security of baggage operations. MDT AutoSave supports the most comprehensive range of devices and programming software in the industry including Bosch, Citect, GE/GE Fanuc, Mitsubishi, Omron, Rockwell Automation/Allen-Bradley, Schneider, Siemens, Wonderware and more.



Rapid Disaster Recovery

The key to rapid recovery of a baggage handling system device failure is the ability to access and download the *correct* program to the PLC. In providing a common central repository of all changes, MDT AutoSave can ensure that if a PLC fails, current copies of program logic and documentation are available so the PLC can be restored quickly.

Secured Access

AutoSave is designed to manage access to program areas and programs via a flexible privileging system. When physical access to automation devices is prohibited (ensuring changes can only be made through MDT AutoSave) all changes in program logic are recorded by user, date, time, location and specific change detail. When physical access to the devices is possible, AutoSave periodically compares the program running in each device with the program copy on file in AutoSave and identifies any differences. An email notification is then sent highlighting these differences.



Change Management for Automated Baggage Handling Systems



Increased Efficiency

In many baggage handling areas, programming changes are made by multiple users who then save the changes to a disk or laptop. This is an inefficient, costly and potentially dangerous environment. MDT AutoSave unifies automation software under one user interface to provide complete control over the automation environment. Wasted time associated with multiple users making changes on laptops throughout the baggage handling areas is eliminated and the common central repository of all changes allows for analyzing historical changes to identify bottlenecks and observe trends in programming practices.

Safeguarding Automation Assets

Airports make a considerable investment in control software for their baggage handling systems. MDT AutoSave protects and secures this investment by reducing costly errors and equipping airports with a comprehensive system to safeguard these automation assets throughout their lifecycle.

Return on investment with MDT AutoSave is measured in terms of reducing unscheduled downtime, reducing errors, providing secure access to source code, managing and organizing all your automation programs to enable reuse of existing logic, and numerous other benefits that increase safety and productivity.



MDT AutoSave empowers users to:

- ▶ Reduce errors & downtime
- ▶ Increase productivity
- ▶ Protect users & assets
- ▶ Identify specific modifications



Complete Control over Device Programs

MDT AutoSave's client modules are integrated with your programming editors to offer both an interactive environment and background monitoring. You have complete control over your device programs including:

- Secure on- and off-line editing with immediate, central library archival of changes
- Historical tracking and audit trails
- Automatic change discovery and real-time notification
- Rapid disaster recovery
- Comparison on demand and automated comparison
- Version-specific modules for your editors

About MDT Software

MDT Software is a world leader in factory automation device change management. For over 20 years MDT Software has delivered change management and version control solutions for automated devices. MDT's flagship product, AutoSave, is used by many of the world's leading companies in almost every industry including Automotive, Airport, Pharmaceutical/Life Sciences, Mining & Minerals, Food & Beverage, Petro-Chemical and Utilities.

To find out more about MDT AutoSave Automation Change Management Solutions, please visit www.MDTsoft.com.