

# MDT AutoSave



## Automation Change Management for the Automotive Industry

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

### Increasing Safety and Reliability for the Automotive Industry

Safety and reliability are key drivers of the automotive industry. Global competition has been a reality for many years and every producer is looking for ways to maximize manufacturing uptime, while avoiding untracked changes in automation equipment which could lead to expensive rework or recalls.

MDT AutoSave is part of the change management and disaster recovery infrastructure in automotive plants producing millions of vehicles a year. In fact, our software is the corporate standard for some of the world's largest automotive manufacturers. For over 20 years, AutoSave has managed changes in PLCs, robots, human-machine interface systems, CNCs, welders, drives and workstations to ensure proper rollback/recovery data and audit trails exist.



### Changes happen. Manage them.

MDT AutoSave empowers users to protect, save, restore, discover, and track changes in industrial programmable devices and plant-floor documents. MDT AutoSave unifies automation software under one common user interface and results in a secure, well documented, controlled environment that dramatically reduces coordination constraints, wasted effort, and safety issues. AutoSave allows users to:



#### Reduce Errors and Downtime

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

#### Increase Productivity

There can be numerous disks and laptops located throughout the plant, each containing different program and document versions. Inefficiencies are inevitable, costly and even dangerous. In providing a common central repository of all changes, historical changes can also be analyzed to identify bottlenecks and observe trends in programming practices so operational improvements can be made.

#### Improve Security

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.

### Downtime Costs Auto Industry \$22k per Minute

**“While one minute of stopped production, or downtime, costs an average of \$22,000, some survey\* respondents cite the figure to be as high as \$50,000 per minute. With such high costs at stake, keeping production machinery operating smoothly is critical to a factory's bottom line.”**

\* Survey of 101 manufacturing executives in the automotive industry commissioned by Advanced Technology Services, Inc. (ATS) and conducted by Nielsen Research.

# MDT AutoSave: Automation Change Management

## AutoSave Supported Devices

AutoSave Change Management Software supports the most comprehensive range of devices and programming software in the industry including:

- Schneider
- Bosch
- Omron
- Mitsubishi
- Rockwell Automation/Allen-Bradley
- ABB and more
- Siemens
- Wonderware
- Citect
- GE Fanuc

## 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

## Our Customers

As a trusted provider of disaster recovery and change management solutions, over 4,700 end users in numerous industries worldwide have selected products from MDT Software to effectively manage an increasing array of software on the plant floor. MDT's AutoSave is the corporate standard for plant automation device management in many of the most advanced manufacturing facilities in the world. Our customers include:

- 3M
- Allvac
- BAA
- BHP Billiton
- Campbell's Soup Company
- Caterpillar
- Chevron
- **Chrysler**
- Coca-Cola
- Continental Corporation
- ConvaTec
- Coors Brewing
- Corn Products
- Delphi
- Fonterra
- **Ford Motor Company**
- General Mills
- **General Motors Corporation**
- Georgia Pacific
- GlaxoSmithKline
- Hewlett-Packard
- Hillside Aluminum
- Iams
- Kraft Foods
- Lawrence Livermore National Labs
- Lorillard Tobacco
- Melox
- Mozal Aluminum
- Miller Brewing
- National Starch & Chemical
- Michelin
- Nestlé
- Newport News Shipbuilding
- Procter & Gamble
- Rio Tinto
- SABMiller plc
- Sara Lee
- Scaw Metals
- Shagang Steel
- Tennessee Eastman Chemical
- **Toyota**
- Tropicana
- Unilever
- Vale (formerly CVRD)
- Vistakon
- **Visteon Automotive Systems**
- Weyerhaeuser
- Whirlpool



## For More Information

To find out more how MDT AutoSave can help you with PLC change management, as well as gaining control over all plant-floor automation devices and documents, please visit [www.MDTsoft.com](http://www.MDTsoft.com).