Don't Let a Data Failure Turn into a Business Disaster

"...survey showed a very small percentage of companies performed real-time backup of data, and few could tolerate more than a day of unexpected downtime. ARC's survey placed average down-time losses at $35,000 per hour {ranging from <$10,000/hr to <100,000/hr}"

ARC: Business Continuity and Recovery Planning for Manufacturing

What if you could easily and economically eliminate the risk of data loss? What if you could ensure a quick and appropriate response in the event of a failure?

You wouldn't think twice, right? You would ask for features like:
- Flexibility to handle any network topology
- Adaptability to your security infrastructure
- Easily expand to changes in your system

Ensuring that you:
- Recover quickly from data failure
- Verify your system is protected from serious consequences of data failures
- Reduce cost of data failures

It's critical for manufacturing sites to quickly recover from any failure of key automation information technology (IT) assets (e.g. operator workstation, engineering console or server), to avoid disruptions or process downtime. In a recent survey, 87% of respondents indicated that failure to recover data would be damaging to their business; 23% said this would be disastrous.

Threats to automation IT assets are numerous and impossible to totally eliminate. They come in many forms such as viruses, malicious actions from disgruntled workers, hardware/software failures, and natural disasters.
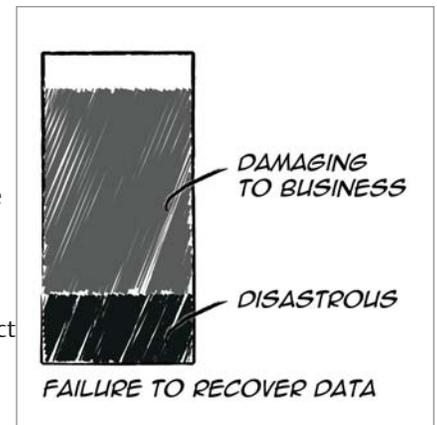
Yet many sites are unequipped to avoid or mitigate these types of risks. Some sites lack the technical resources needed to do the work. For others, the focus on day-to-day production issues means needed preventive maintenance actions never get the attention they need.

CRITICAL RESPONSE

Typically, data failures are uncommon events, so site personnel are often unfamiliar with the tools and procedures surrounding recovery activities. As a result, many sites fail to implement an effective backup and recovery program. One recent survey indicates that only 55% of respondents are confident that their systems will be restored completely within hours of a disaster.

LONG-TERM IMPACTS

As the above survey responses indicate, the business impact of data failure can be disastrous. In fact, one source indicates that 70% of businesses that suffer a serious data loss are impacted for two years or more. Data failure impacts are so dramatic because they affect businesses in a variety of ways.

DAMAGING TO BUSINESS

DISASTROUS

FAILURE TO RECOVER DATA

PRODUCTION SETBACKS

Data failure directly impacts a manufacturing site's ability to make product if it occurs on a major automation system component. In the worst case, recovering from a loss might require re-engineering the entire automation system's configuration. A more likely scenario is that an older version of the configuration exists and a time-consuming process of making that older version current must occur. However, while these activities are completed, the automation system is unavailable, resulting in lost profits.

REGULATORY HEADACHES

Either for external or internal regulatory validation, some manufacturing sites must maintain the ability to furnish production information. When this information is unavailable, the product often must be scrapped. Clearly, preventing and mitigating the disruptive impacts of data failure is a must.

DELTAV

EMERSON Process Management

TIME-CRITICAL RECOVERY

When a data disaster strikes, every hour is critical to your recovery. You need backup and recovery services that can get your system up and running again fast. After a critical failure is when the value of a backup and recovery system is most evident. While recovering from a failure is obviously important, minimizing the recovery time is even more important. Emerson's services ensure that your system is up and running as quickly as possible. When time is precious, expertise really matters.

EXPERT IMPLEMENTATION

Emerson experts bring to your site knowledge, experience and best practices acquired in numerous installations to ensure successful solution implementation. And they're backed by the full technical resources of Emerson and Acronis® to address even the most challenging and unique implementation conditions.

PROVEN SOFTWARE SOLUTION

The Emerson Backup and Recovery solution employs the Acronis backup and recovery software. Acronis brings a proven record of providing quality, reliable software you can trust.

Easy-to-use Backup and Recovery Solution. Templates are provided for the DeltaV™ system and AMS Suite™ so you can be assured that all data required to backup these systems is known and easily accessible.

Data Protection and Disaster Recovery in a Single Solution. Acronis' patented, easy-to-use disk imaging technology fully recovers your servers and workstations in minutes.

Scalable Architecture and Functionality. From the smallest to largest systems or multiple system facilities, Backup and Recovery can scale from one to hundreds of PCs. Additional options are available to eliminate PC platform and hardware dependency on recovery and minimize required data storage space.

Centralized Management

Backup and Recovery's advanced licenses makes administering the solution easy by providing centralized configuration and maintenance capabilities.

VALUE-ADD INFORMATION TECHNOLOGY (IT)

Emerson's Backup and Recovery solution enables your IT team to focus on productive operations tasks, instead of just administering your system. By delegating backup and recovery system administration work to experts at Emerson, your IT resources can focus on delivering quality product and bottom-line results.

> "We were never quite sure we could recover our system by simply using the default database and historian backup, and manually saving off important files and graphics. This solution removes that concern and gives us the peace of mind that when needed, we'll have what's required to restore our systems."
>
> **Tracy Waller**

For more information, contact your local sales office or visit:
EmersonProcess.com/PSS/Contact

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