

**COMPLIANCE VULNERABILITY, SOLVED.**

## **Automate Data Collection. Gain Data Confidence. Ease Audit Trail Reporting.**

### **Informetric Systems' InfoBatch® InfoETL: A Reliable Solution for Any Manufacturer That Has To Review Audit Trails**

Data integrity plays a critical role for any life science manufacturer, so imagine having to collect and discern audit data from almost 100 devices across eight manufacturing areas. It's nearly impossible to generate audit trails on all the various devices with different HMIs and islands of information everywhere. While some have tried off-the-shelf data visualization software to partially solve the problem, most are not GMP-compliant, have cloud-based limitations, or data handling limits.



This particular batch manufacturer wanted to proactively reduce their risk of a compliance vulnerability caused by the cumbersome collection and lack of confidence in audit trail data. Furthermore, they wanted to present that information in a well-organized format on a regular basis.

Apperture Solutions partnered with Informetric Systems to provide this manufacturer with an advanced technology solution that could:

- Accommodate disparate and, frequently, siloed data
- Remove the entire human data collection and analysis headache
- Automate and streamline the entire process
- Eliminate data integrity vulnerabilities
- Include reporting and routing for electronic approval
- Be GMP-compliant



#### **Save Time & Money**

By eliminating human  
data collection



#### **Eliminate Audit Trail Vulnerabilities**

With a secure, automated solution  
for collection and reporting



#### **Gain GMP-Compliance Confidence**

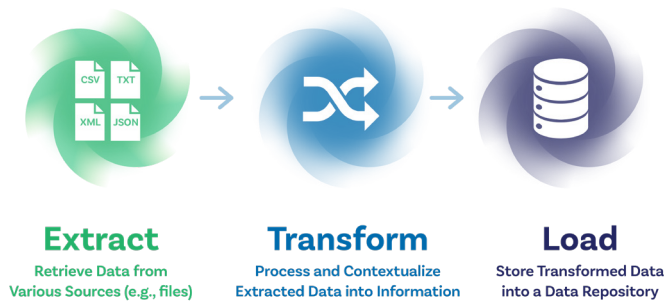
With access to comprehensive,  
reliable audit trails

## Leverage the Data You Have —and Ensure That It's GMP-Compliant

InfoBatch® InfoETL provides an ETL framework suitable for manufacturing and automation systems. Whereas many ETL solutions are oriented towards cloud-based data warehouses, InfoBatch InfoETL is designed to reside close to the automation infrastructure, immediately processing files without the latency of other approaches.

ETL can handle isolated data from equipment skids, instruments, and HMIs. When a manufacturer selects software that uses the ETL process, many of the data challenges described above evaporate.

Here's how it works:



## Access the Isolated Data

The “Extract” step of the ETL process allows a manufacturer to easily and dependably extract data from diverse sources. Once the data is retrieved, what’s next? In most cases, these files lack the proper contextualization that would allow manufacturers to obtain value from them.

## Make Isolated Data Valuable

The “Transform” step enables a manufacturer to transform data into meaningful information. By using specialized software to access isolated data, the manufacturer is able to seamlessly process and transform it according to specified validation rules. What was once a series of isolated, vulnerable files now becomes a useful resource.

## Store Data to Make it Useful & Compliant

The final step of the ETL process is the most critical for bringing isolated data into compliance. The “Load” part of the ETL process is used to store transformed data in a secure repository.

## Simplify Compliance Documentation With InfoBatch®

InfoBatch is a manufacturing reporting suite that simplifies compliance documentation, production reporting and process analytics across many industries. The world’s leading manufacturing facilities have improved productivity and reduced costs with InfoBatch.

**If you are already using the InfoBatch suite, gain the data integrity benefits by adding on InfoBatch ETL.**

**CONTACT US TO LEARN MORE ABOUT THE DATA INTEGRITY BENEFITS OF ETL**

## Apperture Solutions

Our experts are avid proponents of data enablement—making the right decisions to drive operations improvements and adhere to compliance. By using modern approaches to data collection and analysis, combined with our industry experience, we enable our clients to make their data work for them.



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