

GLOBAL TRACEABILITY

LEVERAGE BIG DATA TO GAIN NEW INSIGHTS

Manufacturing companies today face extraordinary pressure to produce and deliver the right product to the right place at the right time with the right quality. At the same time, most must comply with an evolving set of regulations requiring product traceability of all materials and components. These requirements exist whether the components are built internally at a company-owned location, or if sourced externally. Increasing dependence on global supply chain partners adds further complexity. Manufacturers need better access to data, not only from their own manufacturing, quality, and warehousing systems, but also from external sources throughout their global product supply network.

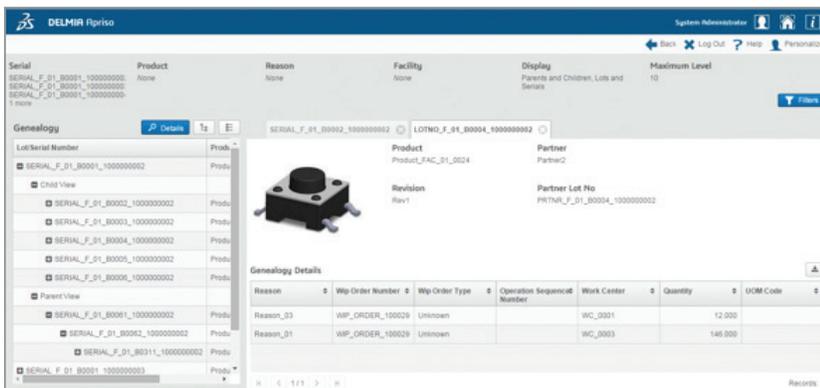
DELMIA delivers these capabilities with DELMIA Apriso Global Traceability (GT), a DELMIA Apriso application that consolidates detailed product, genealogy, and event data from multiple plants and disparate systems into a single, global repository. By combining a centralized intelligence framework and a big data repository with native Business Process Management (BPM) capabilities, Global Traceability provides an adaptive application that can fit into any IT environment. And, by leveraging existing data collection from production and logistics systems, this product offers a cost-effective solution that avoids a rip-and-replace implementation strategy.

ENTERPRISE SOLUTION FOR ALL OPERATIONS

Global Traceability offers a powerful framework to visualize and manage compliance initiatives spanning production, quality, logistics, packaging, labeling, and distribution activities. With its ability to quickly capture, track, and share intelligence that is actionable from any DELMIA Apriso or third party application, GT functions as a centralized hub to ensure compliance is maintained in the most cost-efficient manner. What results is higher customer satisfaction and better protection for the integrity of your brand.

BENEFITS

- One application provides the capability to centralize the data collection, review, and management necessary to address global traceability initiatives
- Developed on an intelligence platform, continuous process improvement insights are easily presented and actionable
- Provides visibility to quickly identify lost or incomplete genealogy or traceable data
- Validates product returns to reduce costs and eliminate return of counterfeit and expired products
- Accelerates responsiveness and eliminates manual processes with modern unified communication and collaboration capabilities
- Lowers risk and cost of compliance to changing regulations with an adaptive platform that supports continuous improvement
- Reduces deployment risk and time by leveraging existing manufacturing and enterprise IT infrastructure



SOURCE FOR PROCESS INNOVATION AND IMPROVEMENT

Economies of scale are an important concept manufacturers must embrace in the quest for continuous improvement and competitive advantage. If one IT solution can accomplish multiple tasks, it will be more cost effective and yield greater productivity. Global Traceability shares these attributes. As part of an intelligence platform (it is now part of DELMIA Apriso Manufacturing Process Intelligence), manufacturing intelligence is readily available, which can be used not only to address traceability issues, but also to initiate continuous process improvement.

ACCELERATE TIME TO RESOLUTION

In many organizations, traceability and genealogy data is locked up in multiple, disparate systems that are not readily available. Investigating quality or compliance issues therefore typically requires a quality or process engineer to access multiple systems. Data may need to be exported to a document or Excel spreadsheet and then manually consolidated in order to give a view of the end-to-end traceability. This process may take days or weeks, and is expensive and error-prone.

DELMIA Apriso Global Traceability consolidates data from any DELMIA Apriso application, ERP, or other third party applications so as to provide a comprehensive, unified view of a product's production history. It provides a common interface to capture this data, which can also be used as an interface to quickly initiate corrective actions, simplifying what is typically an arduous and time-consuming process. A small, lightweight "Site Connector" is installed on the plant system that receives data for each traceable event. DELMIA Apriso Global Traceability then uses Extract, Transform, and Load (ETL) technology to rapidly move data from every source system into one global repository.

From an implementation perspective, GT was designed for speed. This application was designed to work with existing systems. This design therefore helps to avoid performing an expensive "rip and replace" of your existing manufacturing operations and quality systems, helping to reduce the cost and timeframe of getting GT operational.

PART OF THE TOTAL DELMIA APRISO SOLUTION

DELMIA Apriso Global Traceability is a key component of DELMIA's broader DELMIA Apriso solution for manufacturing operations management. With DELMIA Apriso you can manage production, quality, warehouse, maintenance, and labor processes to achieve visibility into, control over, and synchronization across global manufacturing operations. Built with a native Business Process Management (BPM) framework that incorporates a unified data model, DELMIA Apriso applications enable continuous improvement and rapid response to market changes. DELMIA Apriso delivers a global view of manufacturing operations by utilizing a Service Oriented Architecture (SOA) to ease integration with enterprise applications, such as ERP and PLM, while interfacing with the shop floor and automation equipment.

FEATURES

- Provides a centralized, global repository for detailed product genealogy from disparate sources across the enterprise
- Integrates with third party MES, manufacturing IT, ERP, and other enterprise systems or applications
- Provides instant access to current and historical data
- Built on an adaptive, Business Process Management (BPM) platform for agility and flexibility
- Part of DELMIA Apriso Manufacturing Process Intelligence (MPI) suite of applications, so intelligence data from production, quality, logistics, or other operations for analytics, visibility, and reporting
- Supports flexible serialization schemes and utilizes existing RFID and barcode scanning technologies
- Offers multilingual and localization support
- Includes role-based security and web-based interface

Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 220,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.

