

BUSINESS INTEGRATOR

ENABLING ENTERPRISE VISIBILITY AND CONTROL

Having invested considerable time, effort, and resources in deploying Enterprise Resource Planning (ERP) and Product Lifecycle Management (PLM) systems, global manufacturers are now challenged with how to effectively view and control their plant operations at an enterprise level. Working with multiple, heterogeneous systems environments and locations, it is difficult to reconcile different business processes and equipment protocols to operate in harmony across the enterprise while supporting a 24x7 operations environment.

DELMIA Apriso Business Integrator connects enterprise systems such as ERP and PLM with manufacturing operations. It is the Enterprise Application Integration (EAI) component of DELMIA Apriso, using wide-ranging, pre-built application adapters for bi-directional connectivity to multiple external systems. By leveraging web services and a Service Oriented Architecture (SOA), DELMIA Apriso Business Integrator simplifies connectivity to enterprise systems. DELMIA Apriso Business Integrator globally integrates planning, design, and production, enabling manufacturers to become a truly adaptive enterprise.

EXTENDING THE VALUE OF ERP

ERP systems provide sophisticated financial planning capabilities to help a company manage its operations, but ERP was never designed to manage the granularity of detail needed on the shop floor. As a result, there is little ability to effectively drive decisions down to the plant floor. DELMIA Apriso Business Integrator enables you to take the plans created in ERP and execute them at each of your plants across your enterprise. DELMIA Apriso Business Integrator “feeds” ERP the accurate, timely data it needs for financial reporting and long term planning.

CLOSING THE LOOP BETWEEN PLM AND THE SHOP FLOOR

PLM systems manage design processes and engineering design data, which can then be transferred to operations with DELMIA Apriso Business Integrator, ensuring production processes are executed “as-designed.” Create a feedback loop to ensure “as-built” specifications match design. Synchronizing Engineering Change Orders (ECOs) from PLM with the actual physical production processes in DELMIA Apriso accelerates new product introductions and with higher quality.

BENEFITS

- Extends the value of ERP down to the shop floor
- Closes the loop with PLM to accelerate new product introductions
- Increases quality of products and processes by improving efficiency when operating across multiple locations
- Provides IT rationalization and simplification
- Leverages existing plant IT investments
- Improves adaptability of enterprise business systems to respond faster to change
- Minimizes integration complexity with a single point of interface across warehouse, production, quality, maintenance, time, and labor operations
- Cuts implementation time and cost while guaranteeing data integrity through stable interfaces and certified, pre-configured integration

IMPROVE EFFICIENCY AND REDUCE COSTS

DELMIA Apriso is built on a native Business Process Management (BPM) framework, which allows processes to be authored that span multiple systems, functions, and locations. Simplify the integration of ERP's processes from order-to-cash and PLM's processes from cradle-to-grave as they intersect manufacturing by leveraging DELMIA Apriso Business Integrator as a common integration point. This simplification minimizes redundant IT systems while easing the tracking and tracing of materials and finished goods.

PART OF THE TOTAL DELMIA APRISO SOLUTION

DELMIA Apriso Business Integrator 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

- Proven with ERP, PLM, and APS enterprise systems
- Guarantees delivery and data integrity
- Supports global deployment, including multiple languages and automatic time zone conversion
- Conforms to ISA-95 and other industry standards
- Leverages BPM technology to establish bi-directional, interactive business processes spanning ERP, PLM, and manufacturing operations
- Conforms to established IT communication standards, including XML, web-services, flat file, and SOA

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