Rockwell Software® Solution

ERP Integration Gateway

Synchronize business and production systems to communicate valuable information and achieve enterprise-wide goals

Benefits:

- Minimize costs and reduce risks by leveraging existing IT investments
- Reduce inventory and capital equipment requirements with demand-driven manufacturing
- Improve quality and regulatory compliance through comprehensive genealogy
- Speed time-to-market and improve customer satisfaction

Rockwell Software Solutions

Our solutions leverage Rockwell Automation's 100+ years of industry innovation, experience and global support. Industry best practices are incorporated into every application, which is built upon a composite application framework that leverages a Service Oriented Architecture (SOA). This scalable solution, when combined with library-based content, offers personalization options that promote faster user adoption and time-to-value.
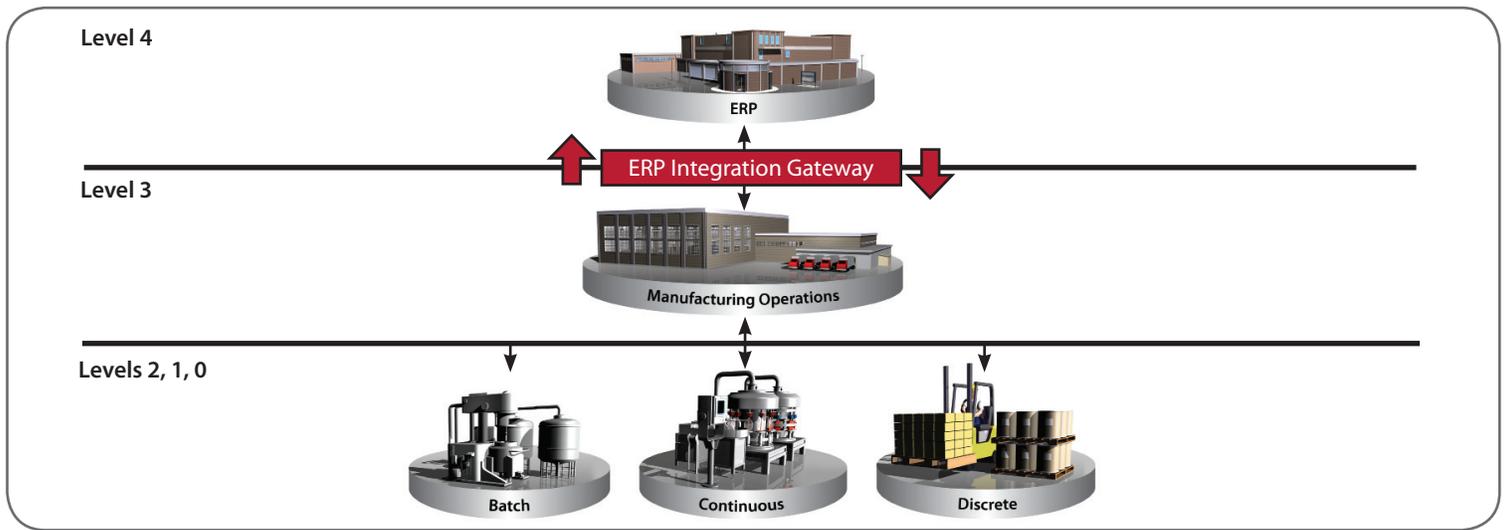
The Challenges

Manufacturing has changed dramatically in the past decade and rapid changes are certain to continue. Producers are continually required to achieve more with less. Companies are shifting from mass production to mass customization with the added pressure to bring quality products to market faster. Regulatory agencies demand accurate, comprehensive product genealogy throughout the supply chain, production and distribution. And management and stakeholders demand profitability.

Progressive producers meet these various challenges by leveraging technology to help reduce the costs and risks from operations. However, a common obstacle remains for many. Critical decision-making information often resides within plant floor and business systems that ineffectively communicate with each other.

Rockwell Automation recognizes these challenges and offers the Rockwell Software Enterprise Resource Planning (ERP) Integration Gateway to enable real-time communication between those systems. This application aligns manufacturing operations with the business processes and information housed in ERP systems to offer a framework that supports operational performance and business improvements at the lowest total cost of ownership. Manufacturers can achieve the agility that makes the enterprise more responsive to customer demands, more competitive, and ultimately, more profitable.

LISTEN.
THINK.
SOLVE.®

Allen-Bradley • Rockwell Software

Rockwell Automation

Level 4	ERP
Level 3	**ERP Integration Gateway** — Manufacturing Operations
Levels 2, 1, 0	Batch — Continuous — Discrete

Achieve agile, demand-driven production and the ability to deliver a perfect order

ERP Integration Gateway

The Rockwell Software ERP Integration Gateway application allows plants to more easily and cost-effectively exchange transactions and execute business processes across plant-floor and business systems in real-time. This valuable information exchange allows better visibility into production operations, better adherence to schedules, improved decision-making opportunities, and the delivery of quality products on time.

Enable Demand-Driven Manufacturing

The ERP Integration Gateway provides event-driven communication between plant floor and business systems to help ensure that changes made in one system automatically trigger real-time processing in other systems. Order-planning, scheduling, accounting and real-time material consumption information allows users to maximize asset utilization and drive down costs associated with surplus inventory, long cycle-times and missed deliveries.

Improve Business and Operational Consistency

Synchronization of systems information reduces delays associated with paper-based systems and speeds the quality approval process. Systems coordination provides greater visibility into key performance indicators (KPIs) that affect performance and quality, thereby delivering greater operational consistency and fewer deviations or exceptions.

Leverage Existing Infrastructure Investment

The ERP Integration Gateway is delivered on the Rockwell Software manufacturing services bus (MSB), a key component of the Rockwell Software manufacturing operations platform. The MSB provides a proven service-oriented architecture (SOA) framework for messaging between applications that is secure, robust and scalable. Though pre-configured for SAP, the S95, standards-based technology framework supports all common enterprise integration patterns and more than 30 different transport technologies, allowing for deployment into any existing IT environment with minimal investment or disruption. Graphical data mapping and the use of open, industry standard tools provide visual data transformation that requires no coding, allowing users to benefit from faster deployments, lower risk and reduced maintenance costs.

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