CPG manufacturers traditionally manage production facilities by planning, scheduling, executing and reporting. However, the tools traditionally chosen do not allow for flexibility in the process. CPG manufacturers struggle with prioritizing production orders, managing product details, enforcing workflows and providing actionable data that can be consumed by the operations staff to improve production operations.

Further, enterprise CPG manufacturers struggle with the management of several production facilities and measures between them, as well as communicating with ERP systems to close the loop on the supply chain with manufacturing information.

Rockwell Software is uniquely suited to deliver industry solutions that meet these challenges.

Value-driven, tailored solutions to solve unique industry and market challenges

Depending upon the types of products manufactured and the region of the world in which they are produced and sold, every industry has its own unique challenges ranging from varying global economic conditions, fluctuating supply and demand, growing competition and cost structures. At Rockwell Software, we know it is impossible to provide a “one size fits all” or generic software offering that will meet the needs of every industry. That’s why we provide tailored, value-driven solutions to meet the unique needs of manufacturers in the various industries we serve, including Automotive, Biofuels, Cement, Chemicals/Petrochemicals, Consumer Packaged Goods, Life Sciences and Minerals and Mining.

However, in every Rockwell Software solution, we recognize and continually strive to help manufacturers address one universal focus – the goal of customer satisfaction at the lowest possible cost of manufacturing.

Our world-class industry solutions leverage Rockwell Automation’s 100+ years of innovation, experience and global support. Industry expertise and best practices are incorporated into every application, which is built upon a composite application framework that leverages a Service Oriented Architecture (SOA). These scalable solutions, when combined with library-based content, offer personalization options that promote faster user adoption, time-to-value and overall greater Total Benefit of Ownership.

Rockwell Software offers three classes of applications that drive the pursuit of operational excellence, sustainability objectives and reduced manufacturing costs:

• Operations & Manufacturing Intelligence
• Real-Time Compliance & Sustainability
• Model Predictive Control & Optimization

Value-driven, tailored solutions to solve unique industry and market challenges

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Rockwell Software

The CPG industry is challenged today by extremely volatile global economic conditions and a highly competitive marketplace. Manufacturers are faced with fluctuating demand and shifting brand preferences from various geographies, demographics and market segments. When combined, these challenges contribute to smaller lot sizes and shorter delivery times at a more competitive price.

In response to these conditions, manufacturers must react quicker and operate in a more agile manner, while sustaining or improving customer satisfaction at the lowest cost of manufacturing possible. Efficient operation is crucial to minimize waste, remove bottlenecks and improve asset utilization. Costs must be reduced in response to price pressures on product margins.

Rockwell Software recognizes these challenges and offers a comprehensive industry solution focused on delivering best practice execution, predictive control of your vital processes, and operations intelligence for proactive decision-making that drives optimal manufacturing and economical performance.

www.rockwellsoftware.com
Portfolio of Applications for Consumer Packaged Goods

**Margin Contribution & Optimization**
- Produce to improve margin
- Analyze cost vs. office

**Material Management**
- Inbound Infrastructure
- Work in Process (WIP) inventory management

**Capacity Management**
- Actual production vs theoretical capacity
- Constraint profiling

**Energy Optimization**
- Optimize production to energy demand
- Combine energy asset optimization with economic model

**Quality Management**
- Test definitions & executions
- Product safety & quality management

**Environmental Management – Air/Water/Wastewater**
- Continuous Emissions Monitoring System
- Real-time Environmental Management – monitoring, record-keeping for compliance

**Utilities & Energy Optimization**
- Optimize generation to lowest cost of supply within environmental limits
- Accommodate production variability with efficient supply
- Compressors, boilers & chillers
- Steam
- Dryers, ovens & furnaces

**Genealogy/Track & Trace**
- Track man/materiel/machinery & methods
- Comprehensive finished good genealogy

**Operations Intelligence**
- Production metrics
- Efficiency indicators

**Evaporator**
- Produce to improve yield
- Balance thermal efficiency & constraint control

**Dryer/Evaporator Balance**
- Produce to improve yield
- Balance thermal efficiency & constraint control

**Economical Energy Optimization**
- Operate to predicted energy demand
- Complement energy asset optimization with economic model

**Gas Energy Optimization**
- Optimize generation to the lowest cost of supply within environmental limits
- Accommodate production variability with efficient supply
- Compressors, boilers & chillers
- Steam
- Dryers, ovens & furnaces

**Comprehensive finished good genealogy**
- Track man/materiel/machinery & methods
- Net content control
- WACO, CAPA & IQC

**Economical Energy Optimization**
- Operate to predicted energy demand
- Complement energy asset optimization with economic model

**Facilities Energy Monitoring**
- Predicted consumption of energy
- Improved operational planning and facility management

**Drying**
- Produce to improve yield
- Balance thermal efficiency & constraint control

**Cycle Energy Optimization**
- Optimize generation to lowest energy demand
- Complement economic asset optimization with energy model

**Genealogy/Track & Trace**
- Track man/materiel/machinery & methods
- Comprehensive finished good genealogy

**Operations Intelligence**
- Production metrics
- Efficiency indicators