SYMPHONITE SUPPLY CHAIN AND PRODUCTION MANAGEMENT
Increase your Supply Chain Agility, Boost Efficiency, and Mitigate Risk
Orchestrate SCPM Excellence by Driving Synergy through Every Link

Honeywell Symphonite™ is a suite of software and services providing comprehensive and scalable end-to-end solutions for the supply chain and production management (SCPM) processes. Built on deep domain knowledge, these solutions help you make better business decisions and drive continuous improvement every step of the way from integrated planning to post-production reconciliation and analysis.
As supply, production and distribution networks become increasingly complex and global, their effective planning and operation become more challenging. Risks across the supply chain have increased, making improved transparency, agility, and accuracy critical to the coordination of effective responses.

Symphonite provides a single source of powerful, standalone solutions that combine to provide an integrated portfolio to increase supply chain agility, boost efficiency and mitigate risk.

**Connect Demand to Supply, Efficiently**

By driving end-to-end synchronization across functions, plants, geographies, and time horizons, Symphonite efficiently connects demand to supply enabling market demand to drive the production and value chain decisions.

**Discover Opportunities and Identify Risks using Advanced Analytics**

The applications in Symphonite provide you with business solutions to achieve your IIoT vision. Use its analytical abilities to gain a competitive advantage:

- Plan and Optimize with Prescriptive Analytics: RPMS, SAND
- Predict and Act with Predictive Analytics: CDP
- Analyze and Refine with Descriptive Analytics: PAR, Downtime Reporter

**Reduce Cycle Time and Training Requirements**

With a unique, intuitive interface, built in collaboration with our customers, Symphonite applications guide users through the process to manage complex production and supply chains. This reduces training requirements and brings rapid results for decision makers across the enterprise. The user experience focused design cuts cycle times for key business processes and ensures a fast return on investment, while making new users experts, faster.

**Achieving Excellence and Sustaining It**

With decades of experience and a worldwide network of consultants, Honeywell provides the expertise and insight to transform your production and supply chains in three simple steps, with the following services.

**Value discovery and baselining:** Map your current processes against industry best practices and identify gaps.

**Master planning:** Address the gaps identified in baselining, to formulate a phased approach that pays for itself.

**Model audit services:** Review and audit your supply chain and production management models.

You can also opt for a range of services like the Benefits Guardianship Program that offer support at a level your organization needs, to ensure you get the most from your investment.
Optimizing the Supply Chain

The supply chain software in the Symphonite suite helps with long-term, medium-term, and operational planning. It also links to operations via daily capacity planning across supply, production, and distribution networks.

Besides the direct impact on profitability through improved product mix and reduction in feedstock costs it aslo improves agility and responsiveness to supply chain changes.
Enterprise Optimization Driven Planning and Scheduling

Businesses need an integrated view of different functions as they make supply chain decisions. Functional silos lead to sub optimal or even conflicting decisions. The Symphonite approach is to start with a plan for Enterprise Optimization. This plan, optimized for the enterprise, then guides the planning and scheduling across supply, production, and distribution functions.

This approach enables users to consider trade-offs, and leverage flexibility across silos as they have a view into:

- Production constraints like unit capacities and key equipment constraints
- Supply and distribution network constraints in pipeline segments or in terminal operations
- Synergies among sites and network

The ability to predict ‘what-if’ scenarios across the supply chain helps to:

- Maximize plant throughputs, sales, and netback
- Minimize logistics costs and tightly control marginal production costs

Logistics Optimization Across the Network

As supply chains expand, the logistics network becomes more complex and challenging for a human mind to visualize and comprehend. The powerful capabilities of Symphonite help optimize supply and distribution networks.

Symphonite helps:

- Represent the network realistically on map and model linkages
- Identify the optimal route to procure raw material and meet customer demands.
- Model different transportation modes in detail to select the most cost effective option

Continuous Synchronization of Supply to Demand

Management of the supply chain as a complex system is challenging due to tightly interconnected nonlinear relationships. This creates conflicts and gaps across functions as they are faced with ever-changing priorities.

Maintaining the supply-demand balance is vital for an efficient supply chain operation. Symphonite helps achieve synchronization and collaboration between functions, providing valuable insights for different teams to make informed decisions.
Profitable Production Management and Accounting

The Symphonite suite of Production Management software encompasses the entire supply chain, including inbound logistics, production operations and outbound logistics. Best in class tools support comprehensive set of business processes, such as managing the shipment lifecycle, production recording and accounting, inventory management, downtime analysis, material tracking, transport logistics, production allocations, and many more.

Businesses can confidently rely on these solutions to ensure their plans and schedules are in sync with the actual execution, and their decisions are based on accurate production information feeding into planning and scheduling models. This increases the reliability of the supply chain as a whole.
Accurate Production Accounting now Quick and Easy

Symphonite Production Accounting solutions range from simple production data recording to those involving powerful statistical reconciliation algorithms. Provide the ability to resolve a diverse range of material and energy accounting problems in refining, oil and gas, chemicals, metals and mining industries. Support for standards such as AMIRA P754 for metal accounting guidelines, API standards for Inventory calculation, HM 31 guidelines for loss accounting, and Sarbanes Oxley for auditability, ensures the highest order of integrity of the accounting results.

Accountants are guided through their work processes intuitively through clear visualizations. The integrated graphical workflows take the complexity and labor out of the production accounting process.

Production Visibility for Insightful Analysis and Action

Real-time visibility of the plant floor requires connecting multiple business systems to transform production and consumption data into actionable intelligence. With a holistic view of the value chain, inventories and material movements are better managed, reducing waste and rejects, and achieving production excellence with optimal use of energy and other consumables.

Symphonite solutions enable ISA 95 based execution by supporting translation of ERP production orders into control level instructions and using this information to support order tracking, genealogy, and related business processes. Manual data collection is streamlined, with due approval workflows and audit trails, and when combined with data captured automatically from a variety of plant and business systems, gives the reports and visualizations required for accurate reporting and insightful analysis.

Ship On-spec Products to Customers On Time, Every Time

Businesses need their shipments to reach their intended destination on time at the lowest cost, avoiding bottlenecks, delays, charges, and penalties. Port and Marine Management solutions help avoid port charges (including demurrages) and get on-spec products to customers on time, every time. Users can monitor and control order management, shipment berthing, and load planning; automatically generate commercial documents; and integrate with control systems for execution of loading operations. Train loading and tracking solutions effectively schedule train movements and loading. Symphonite solutions enable users to schedule incoming and outgoing trains from the provider to the mine, optimize equipment use, and maximize wagon utilization.

Identify and Eliminate Production Bottlenecks

Understanding the reasons for stoppages, slowdowns, and overproduction at production facilities reveals process bottlenecks and helps drive targeted actions to eliminate them. This in turn unlocks hidden plant capacities and allows plants to increase production while extending the life of production assets.

Symphonite downtime management solutions simplify the analysis of production performance with a comprehensive approach involving automated data collection, configurable business rules for classification of downtime events, auto-generation of work orders, real-time visibility, and support for OEE templates.

Consolidate and Analyze Supply Chain Information

Increasingly complex supply chains with multiple distributed functions require tight coordination to continue to remain agile in a volatile and uncertain business environment. This coordination is necessary to take advantage of opportunities as they arise, to meet planned commitments, and analyze past performances to drive continuous improvement.

Symphonite Integration and analytics solutions enable data and business process integration, resulting in a single version of the supply chain forecast with validated actual product data. This enables collaboration across the supply chain to capture opportunities. Symphonite solutions include advanced analytics that allow businesses to continuously assess their performance and drive improvement initiatives.
Learn More
To learn more about the Honeywell Symphonite portfolio of software and services solutions for the supply chain and production management processes, visit http://www.hwll.co/Symphonite or contact your Honeywell account manager.

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BR-15-50-ENG 11/16
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