

DELMIA APRISO MANUFACTURING PROCESS INTELLIGENCE

REAL-TIME MANUFACTURING PROCESS INTELLIGENCE

Global competition continues to place enormous pressure on manufacturers to produce goods more efficiently, faster, and with higher quality. To meet these challenges, many industry-leaders rely on operational intelligence to identify opportunities for improvement and cost reduction. Enterprise Manufacturing Intelligence can be used to improve visibility across global operations, making the right information available quickly, with sufficient granularity and context to empower managers to make better decisions, faster.

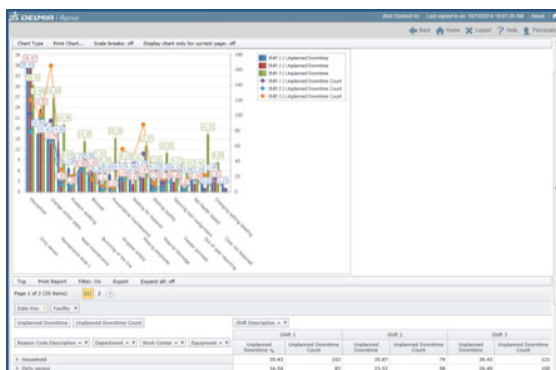
DELMIA delivers this capability with DELMIA Apriso Manufacturing Process Intelligence (MPI), an operational intelligence solution that provides broad visibility and decision support to achieve and sustain manufacturing excellence. It eliminates data silos, resulting in faster insight into problem resolution and performance improvement. MPI complements your existing enterprise IT landscape, so it does not require replacement of existing IT systems. Data can be retrieved efficiently and accurately from almost any third-party solution.

MPI includes one or more pre-configured Intelligence Packs to deliver analytics, dashboards, and Key Performance Indicators (KPI) "out-of-the-box". This capability delivers consistent, unified views into specific areas of your manufacturing operations to facilitate performance comparisons across locations. Alternatively, MPI also lets you quickly modify existing KPIs, measures, and analytics – or even create your own, should the need exist. MPI simplifies the gathering and aggregating of clean data quickly, resulting in valuable analytics and reporting that is delivered in near real-time.

MPI reduces the complexity of performing mission-critical analysis on current and historical data. Analyses can be performed within a DELMIA Apriso process or off-line to identify areas for improvement or root cause analysis, using familiar tools such as Microsoft Excel. Results can then be used to enhance continuous improvement.

IMPROVE PERFORMANCE ON A GLOBAL SCALE

Manufacturing Process Intelligence (MPI) extracts detailed, granular data for a rich operational context to analytics and reports. MPI's rich visualization can either be embedded within a DELMIA Apriso application or seamlessly integrated with third-party systems to provide immediate feedback to operators. Intelligence Packs, available standalone or as part of a broader MPI solution, deliver standardized KPIs and metrics, providing a base-



BENEFITS

- Includes "out-of-the-box" analytics, KPIs, dashboards, and reports that can be used quickly and easily with minimal IT involvement
- Standardizes metrics and analyses across the enterprise and compare plant-by-plant performance
- Reduces the time and cost of data acquisition and configuration by over 60%
- Boosts decision support with fact-based, contextualized data that's available on the shop floor
- Reduces operations costs by monitoring and analyzing factory constraints and throughput
- Improves agility and responsiveness by providing up-to-date performance intelligence across all manufacturing sites
- Improves product quality through consistent and coherent analysis of all shop floor processes
- Performs analyses on quality processes and containment, executed either internally or externally by suppliers
- Supports and improves results of Root Cause Analysis and Continuous Improvement programs
- Reduces IT costs and improves employee satisfaction through adaptable analyses that can be seamlessly integrated within FlexNet

-line for performance management and productivity reporting that can be leveraged across sites. MPI enables you to modify, create, and share analyses across the enterprise. Data can be rolled up to provide global visibility while supporting drill-down access into individual plants for cross-plant comparisons and benchmarking.

IMPROVE AGILITY AND RESPONSIVENES

MPI delivers manufacturing intelligence and analyses as an integrated part of a manufacturing process, thereby increasing flexibility and efficiency in data analysis, visualization, and contextualization. Any change or update can be rapidly shared across plants with minimal (if any) IT involvement, effectively expanding operational agility. Power users can create or modify analytic (cube) views or Excel reports, which are saved into a common repository and then easily shared across plants or departments. In addition, DELMIA Apriso Manufacturing Data Warehouse and analytic (OLAP) cubes can be accessed through many third-party applications, such as SAP Business Objects, Crystal Reports, Microsoft Reporting Services, and Excel. This lets you leverage existing investments and skill sets, reducing the time necessary to get your team productive and improving collaboration, agility, and responsiveness.

PART OF THE TOTAL DELMIA APRISO SOLUTION

DELMIA Apriso Manufacturing Process Intelligence 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 preconfigured Intelligence Packs providing 100's of KPIs, dashboards, and reports:
 - Machine Intelligence
 - Production Intelligence
 - Time and Labor Intelligence
 - Quality Intelligence
- Integrates with Microsoft® Excel and most third-party Business Intelligence applications
- Rolls up data across sites while enabling drill down into plant-level, detailed data
- Deploys metrics and analysis across all sites globally
- Enables ad-hoc analyses of DELMIA Apriso processes
- Defines and shares analyses for collaborative intelligence through a central repository for Excel and Cube Views
- Provides instant access to current and historical data
- Embeds manufacturing intelligence in any process modeled in DELMIA Apriso Process Builder
- Performs analytics based on Microsoft standards
- Includes role-based security and web-based interface

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