

Manufacturing

Powering holistic plant monitoring, process management and operational collaboration across the Internet of Everything (IoE)



From customer order through production to delivery, Decisyon's IoE solutions allow you to manage your entire supply chain and manufacturing processes - including in-plant operations and upstream/downstream partners. These solutions span multiple facilities - often with disparate systems and processes. By leveraging the SAP HANA Cloud Platform, SAP customers can integrate with existing ERP systems and build their IoE solutions on a single platform.

Decisyon-built manufacturing solutions can capture very detailed data in real-time from the shop floor while there is still time to act. Yet, they can also summarize data to separate signal from noise. Your people collaborate with colleagues, not in a chat room or email, but in a conversation around a set of facts. When a decision is made, they execute the action and move on. We call this *Operational Agility*.

Business Impacts

Decisyon customers that have implemented Decisyon's Manufacturing Solutions have achieved significant cost savings and improvements in plant operations and manager/operator communications.

- As much as 80% reduction on costs related to legacy enterprise software enhancements.
- Dramatic improvements in operational communication and collaboration by reducing the need for phone calls and email between departments.
- 3-5X speed-to-implementation improvements over traditional approaches – freeing development time for further innovation.
- 360° 'meta-view' of plant operations.
- Greater control of risk management.
- Reduction of compliance risks.

Corporate Headquarters

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Manufacturing Optimization

Decisyon-built manufacturing solutions enable companies to:

- Create a “Virtual Control Room” for the plant;
- Apply visual concepts;
- Agilely link plant systems to streamline information flows and integrate plant operations – connecting ERP, MES, SCADA, LIMS, MHS, SAP HANA, legacy systems, and unstructured data;
- Fill the gaps in production processes;
- Automatically schedule and execute plant processes, operations, and problem resolutions, in a native collaborative environment;
- Capture detailed data in real time from the shop floor while there is still time to act;
- Quickly make decisions that can be executed directly back into plant processes to address them in the required direction – using data analysis, visual presentation and “what if” simulation;
- Share information across all stages of operations;
- Summarize data to separate signal from noise.

Object-Centric Collaboration

Unique to Decisyon is its ability to connect people directly to relevant data, processes, and other manufacturing-related objects. Utilizing its patent-pending ‘Social Objects’ technology, Decisyon is the only application platform that enables manufacturers to build collaborative processes directly around a set of facts or processes impacting production workflows -- dramatically improving response speed, quality of decision-making, and solution implementation.

Contextual Workspaces

Decisyon’s unique ‘Mashboard’ technology enables manufacturers to dynamically create ‘Contextual Workspaces’ that organize information, live data streams, KPIs, data-visualization, and collaboration in context to processes and workflows. These mashboards can visually represent the status of production line activities by collecting data from operators and equipment in real time – enabling operators and managers to:

- Drive line operations and management checks from a single access point;
- Align processes with goals – showing status and KPIs;
- Visualize production status and performance;
- Collect and merge data from any source – avoiding activity duplication;
- Collaborate with the maintenance departments to share critical information and address problems before they become critical.

Customer Implementations

Decisyon is partnering with large corporations around the globe in analyzing their manufacturing requirements. One of the largest pharmaceutical and consumer product companies in the world is leveraging the capabilities of Decisyon 360. The customer leveraged Decisyon’s IoE platform to build a unified solution that improves plant operations and brings greater visibility into their manufacturing operations. The Decisyon platform enabled the customer to bring its people together with the data, processes, SAP systems, and machines in one environment. Leveraging the key modules of Decisyon’s Priority Report, Pull Systems, Synchronizer Tool and Production Mashboards, the customer can now apply lean manufacturing principles throughout its manufacturing operations globally.

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