Decisyon Digital Factory

The only software solution you need – from aggregation to action – to optimize everything about your factory.

Smart Factories Start With Smart Solutions

Using new architecture solutions to overcome any possible constraint due to monolithic already-in-place technologies

Decisyon Digital Factory was designed from the ground up for Industrial Internet of Things (IIoT) platforms to rapidly digitalize and optimize plant operations and manage its smart digital twin. This smart digital manufacturing solution eliminates the need for factory operators to be dependent on complex, monolithic and expensive to modify software. It delivers all the tools needed to visually connect to all your internal and/or external data sources, visualize, analyze, collaborate in context, decide and put them into action.

Decisyon Digital Factory supports continuous improvement throughout manufacturing operations by identifying where to optimize performance and improve production. It improves the speed at which managers can identify and resolve issues on the shop floor and confirm inventory. It also helps to strengthen production, operational and supply chain communications. As a cloud-based software solution, Decisyon Digital Factory goes to work immediately. It can be applied to a factory's current workflow, or be easily adapted to a company's specific production needs.

Decisyon Digital Factory Puts IIoT into Action

Decisyon Digital Factory integrates plant operations across disparate systems, processes and geographies. It digitally reproduces the production value chain from planning to shipping while controlling line operations, quality, packaging and other steps in the entire manufacturing process. Using Decisyon Digital Factory, you can rapidly connect and digitalize your factories, plant and manufacturing processes with all the necessary features to visually adapt the solution to business changes and market demands.

BENEFITS AT A GLANCE

Decisyon Digital Factory provides a comprehensive view of your entire operation, yielding better decisions and improved processes:

Enhanced Productivity

Through real-time information exchange, error-prone, manual data/information collection and aggregation are reduced

Reduced Cost

Automated data collection and more timely intervention when issues arise reduce costly production delays

Improved Operational Communication

In-context collaboration reduces the need for phone calls, emails, and meetings between operators, managers, and departments

Promote Technology Innovation

Optimize and rationalize the Operational Excellence processes and highlight use of advanced technology to customers and auditors

Business Impacts

Customers implementing Decisyon Digital Factory have achieved the following benefits:

UP TO

10%

Increase in productivity of the production lines

UP TO

25%

Reduction of activities for Shift Handovers

UP TO

10%

Reduction of delays in Maintenance Intervention

UP TO

25%

Reduction of activities to collect data for Process Excellence meetings

UP TO

100%

Full digitalization of the process to define and manage actions on data collected

Actionable Intelligence Makes Your Factory Smart

Decisyon Digital Factory provides pre-built solutions that work with existing systems. It is configured "out of the box" with key analytics, KPIs, workflows, reports and collaboration tools that work the way manufacturing does.

Decisyon's Digital Factory gives you access to a suite of pre-built modules that rapidly connect and digitalize plants, factories and manufacturing processes. Use Decisyon Digital Factory as provided, or adapt it to your own KPIs and processes. All of the features necessary to visually adapt the solution to business changes and market demands are included. You don't need a development staff to custom code solutions. You aren't dependent on software company release cycles. With Decisyon Digital Factory, the means to achieve Industry 4.0 and World Class Manufacturing (WCM) objectives is now in your hands.

Decisyon Digital Factory runs on any PaaS, leveraging the underlying services. It is built with Decisyon's App Composer™, the low code visual app development environment for composing industrial applications. Flexible, adaptive and intuitive, Decisyon Digital Factory makes monolithic manufacturing systems obsolete, turning a disconnected factory into one that achieves higher productivity with lower costs, responding to market conditions in real time while optimizing its profits.
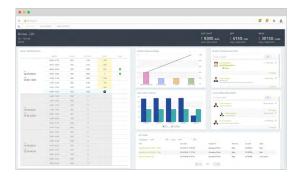

Visual MES Module

Visual MES module supports and drives production processes, providing access to all relevant information and the functionality to analyze and collaborate in context of specific data, then take action in real time. With Decisyon's Visual MES, you'll dramatically reduce down time, proactively prevent maintenance issues and eliminate costly production delays.

The Visual MES module allows you to integrate data from existing systems (e.g. ERP), from sensors and from the users into a unique interface. It also provides the capability to collect, aggregate and share information in real time from the shop floor while there is still time to act. You experience rapid decision-making at both the local (production line) or global (management) level, as you share information across all stages of operations.

KEY CAPABILITIES

- Provide production users with an easy to use solution, with a single point of access to all relevant data -- production data, line status, Production Orders phases, quantity produced, ongoing information, OEE, etc.

- Enhance productivity with real-time tracking of PO assignment and advancing status, reliable information on the duration of each phase in both manual and automatic modes

- Easily detect the root causes for downtime and speed losses

- Reduce need for supervisor support by empowering users with the tools and information needed to prevent problems before they impact productivity

- Communicate in real time with Maintenance and Quality Assurance in case of a line stop or incoming issue, and reduce the time needed for shift handover meetings
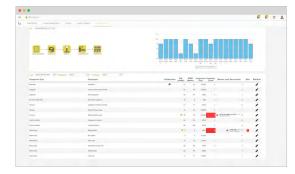
Digital Cockpit module

Digital Cockpit module allows you to create operational commitment and transparent exchange of information about your line productivity and effectiveness, plan and schedule attainment and more. It provides you with an unprecedented, holistic performance perspective and full digitalization of the WCM process with the ability to evaluate its health in daily activities. You can access the shop floor and collect information from people and data sources, identify "hidden" errors and generate specific alerts via smart multi-touch boards. From there, you can quickly propose specific corrective actions via the collaborative and visual environment and link the outcome with the next level of review.

KEY CAPABILITIES

- Drill down into line and production data to pinpoint root causes that are captured within a knowledgebase for future problem resolution

- View and insert data and KPIs in interactive boards that are easily configurable in real time that allow integration with existing KPIs

- Encapsulate and aggregate information during formal review meetings

- Enable performance dialogue through targeted visual dashboards and analytics

- Facilitate reporting, decision-making and management at all levels of the operation

Asset Management module

Asset Management module monitors plants from a central location. Production lines within the operation, the parts and components of the machines, and the scheduling of maintenance teams assigned to repair them are all managed within this unified environment. You get a holistic view of your data: structured and non-structured data from sources such as historian systems, existing enterprise asset management systems, asset detail repositories, widgets and manuals, are merged within the solution. Maintenance, performance optimization and failure prediction are simplified, and your downtime is reduced.

About Decisyon

Decisyon enables business users to rapidly build solutions using a code-free visual software development environment. Our products accelerate your data journey from aggregation to visualization, insight, analysis and decision thru action. Decisyon offers the leading code-free visual software development environment for mission critical enterprise operations requiring real-time awareness and adaptability to their business operations and processes. We have developed and deployed many vertical solutions for the manufacturing, renewable energy, aviation, pharmaceutical, financial services, transportation and automotive industries. With built-in microservices such as data management, BI, mashboarding, rules engine, collaboration and execution, Decisyon offers a dramatic increase in speed to outcome for building and modifying vertical solutions. Decisyon's products and software solutions, ideally suited for IIoT applications running on any PaaS, are used in over 200 companies globally. Decisyon is headquartered in San Francisco, California.

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