

Prescriptive Maintenance Solution Brief

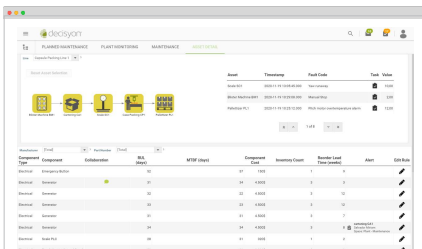
Decisyon's Prescriptive Maintenance application goes beyond a typical APM application by employing automatic "smart improvement" asset management and maintenance over time. Operational teams can use the application's AI-based recommendations to instantly identify maintenance and upgrade requirements before failures occur. Built-in collaboration capabilities empower smart operational decision making, improved asset utilization and more efficient maintenance programs.

The prescriptive analysis within Decisyon's app are powered by a Supervised Machine Learning (ML) algorithm that automatically classifies possible failure based on statistically reliable historical data. Over time, the ML algorithm automatically improves recommendations by self-calibrating via generating new test and training elements, increasing production efficiency and reliability, effectively eliminating nearly all machine downtime.

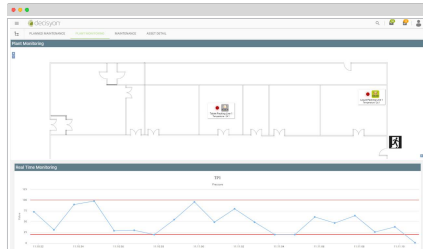
Decisyon's Prescriptive Maintenance application leverages predictive and prescriptive microservices in order to address the entire decision-making process.

KEY CAPABILITIES

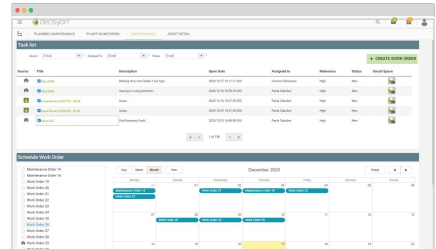
- Kick off a work order to field technicians based on AI/ML analysis
- Increase assets' Life Time Value (LTV)
- Evolve existing maintenance programs
- Smarter, more efficient decisions supported by statistically relevant models
- Data-driven team collaboration around AI/ML recommended Next Best Action



Create Your Operational Digital Twins



Control Production Process in Real Time



Iteratively Adjust the Next Best Actions

Electronics Supplier Use Case at a Glance

Global conditions accelerated the electronics customer's need to meet maintenance challenges head on. As a leading supplier of on-demand components to multiple tech companies around the world, they had to manage their production with minimal disruptions. The company targeted their predictive maintenance systems as strategic investment and turned to Decisyon to provide a solution.

A key benefit of Decisyon's Prescriptive Maintenance solution is the seamless integration of all technology components: Decisyon Adaptors to connect the machines' sensors, Decisyon Smart Gateway for brokering and exporting the machines' time series data, the Decisyon App Composer™ portal to

consume and run AI algorithms, and ultimately showing executable recommendations in the solution's intuitive, easily extendable user interface.

As a result of implementing the Decisyon solution, our electronics customer was able to significantly reduce their downtime and optimize its operations, achieving a major improvement in product quality and customer satisfaction in a very short period of time.

[Speak with an IIoT expert to set up Decisyon's Prescriptive Maintenance solution in your factory](#)

Decisyon Digital Factory

Decisyon's Digital Factory software solution suite is designed so businesses - particularly manufacturers - can achieve a complete end-to-end digital transformation of their enterprise. Decisyon's software solutions help connect all the moving parts of an enterprise, gathering the data, analyzing it, gaining a holistic view of the operations through a digital twin, obtaining real-time insights from across the operational footprint, and enabling better decisions and a more efficient intelligent digital enterprise resulting in a dramatically better bottom line. Decisyon Digital Factory supports continuous improvement throughout manufacturing operations by identifying where to optimize performance and improve production. It improves the speed at which operators and managers can identify and resolve issues on the shop floor and confirm inventory. It also helps to strengthen production, operational, and supply chain communications.

IMPLEMENTED USE CASES

- Pharma
- Consumer Goods
- Packaging
- Automotive
- Bottling

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. The available modules are: MES, Control Tower, and APM.

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

About Decisyon

Decisyon's flagship Industrial IoT (IIoT) no-code visual environment "App Composer™" and Digital Factory software solution suite are designed so businesses - particularly manufacturers - can achieve a complete end-to-end digital transformation of their enterprise. Decisyon's software solutions help connect all the moving parts of an enterprise, gathering the data, analyzing it, gaining a holistic view of the operations through a digital twin, obtaining real-time insights from across the operational footprint, and enabling better decisions and a more efficient intelligent digital enterprise resulting in a dramatically better bottom line. Decisyon delivers a dramatic increase in speed-to-outcome by deploying its production-ready IIoT vertical solutions for a variety of manufacturing environments particularly in CPG, Pharma, Industrial, Aviation, Energy and Renewables. Decisyon App Composer empowers business users to rapidly respond and adjust their applications to ever-changing market demands and client requests. Decisyon's software solutions are currently used in over 200 companies globally.

Corporate HQ

795 Folsom Street, 1st Floor
San Francisco, CA 94107

www.decisyon.com
sales@decisyon.com

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