

Digital Inspection Workflow Solution Brief

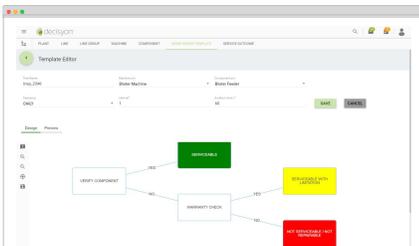
Decisyon's Digital Inspection Workflow (DIW) application for parts maintenance empowers users to create end-to-end workflows that accelerate the standard auditing process in any manufacturing environment. The application reduces inspection elapsed time, preserving quality of the manufactured products, and creating an intelligent, actionable solution from inspection through replacement and service planning. Ultimately, the solution reduces the time to deliver products to the end customer.

The DIW is an end-to-end mobile IIoT solution that allows users to design the inspection process using supervised decision tree workflows. Starting from a browsable, low-weight, and Computer Aided Design (CAD)-like model, users collect inspection data and design a streamlined engineering process for individual parts, ultimately identifying and categorizing the parts as serviceable or to be replaced. By digitizing a process that is typically carried out manually on paper due to physical limitations in the inspection areas, the DIW solution accelerates the design time and delivery of inspection action items to the maintenance teams.

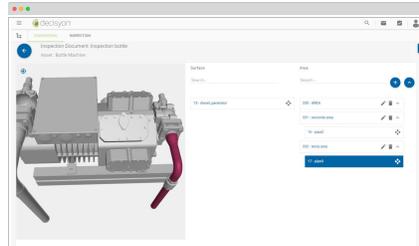
Tracking and storing auditing activities within the DIW solution reduces error-prone manual tasks and increases collaboration between service engineers, maintenance, and customer service teams. Moreover, the DIW solution facilitates engineers' knowledge and experience sharing with other team members, thus scaling inspection activity.

KEY CAPABILITIES

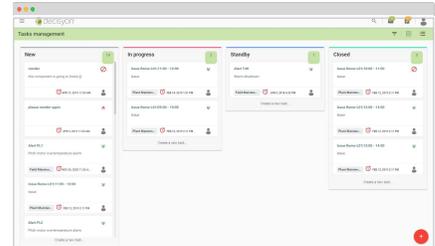
- Deploy an end-to-end mobile IIoT solution for the inspection process in complex manufacturing environments
- Design and customize any auditing process using supervised decision tree workflows
- Browsable, low-weight, CAD-like model digitizes inspection of parts
- Categorize mechanical parts as serviceable or to be replaced
- Enable data-driven collaboration between engineers, maintenance operators and customer service
- Deliver significant reduction in elapsed time for inspection, while preserving quality and increasing customer satisfaction



Create Your Auditing Decision Tree Processes



Import and Browse the Low-Weight CAD Models



Create Service Task Kanban

Mechanical Parts Supplier Use Case at a Glance

A global multi-billion dollar mechanical parts manufacturer in the transportation industry selected Decisyon to transform their manual paper-based inspection process for large engines to a fully digital process. The strict safety and quality standards embedded in their manual inspection processes had to be maintained within the new digital solution. The company expected their new solution to significantly accelerate the result of inspection action items to maintenance teams, and

ultimately improve turnaround time to customers. Decisyon created a fully mobile, actionable, end-to-end Digital Inspection Workflow (DIW) solution to address the customer's requirements. The DIW solution leverages Decisyon App Composer™ and controls the entire auditing process from inspection to replacement and service planning. By implementing DIW, our customer significantly improved its service quality and reduced its delivery time to their customers from weeks to days.

[Speak with an IIoT expert to set up Decisyon's Digital Inspection Workflow 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:

<p>UP TO</p> <h1>10%</h1> <p>Increase in productivity of the production lines</p>	<p>UP TO</p> <h1>25%</h1> <p>Reduction of activities for Shift Handovers</p>	<p>UP TO</p> <h1>10%</h1> <p>Reduction of delays in Maintenance Intervention</p>	<p>UP TO</p> <h1>25%</h1> <p>Reduction of activities to collect data for Process Excellence meetings</p>
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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.

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