



DECISION DIGITAL FACTORY

OPERATIONAL EXCELLENCE THROUGH DIGITAL TRANSFORMATION

- ✓ Increase OEE and throughput.
- ✓ Reduce unplanned downtime.
- ✓ Optimize supply chain operations with data-driven decision-making.
- ✓ Adapt quickly with agile, scalable technology.

Smarter Decisions for a More Intelligent Digital Enterprise

Decisyon Digital Factory (DDF) is an end-to-end [AI-powered suite of Industry 4.0 applications](#) that seamlessly integrates IT and OT capabilities. Designed from the ground up, DDF provides all the functionality required across the entire manufacturing value chain — from connecting equipment and devices, to delivering advanced analytics and AI-driven insights that optimize operations, prevent downtime, and enhance overall efficiency.

By leveraging Generative AI and a robust set of AI Agents, DDF transforms manufacturing operations into smart, proactive, and adaptive processes. These AI Agents predict potential downtime, identify root causes, and recommend prescriptive actions to resolve issues before they impact productivity. The result is a shift from reactive firefighting to a proactive, continuously improving operation. This advanced approach enables smarter decision-making and greater customization in both manufacturing and supply chain operations.

Developed on the [Decisyon App Composer](#)™ low-code no-code platform, DDF offers unmatched flexibility:

- **Off-the-shelf deployment** for rapid time-to-value.
- **Tailor-made configuration** to match specific operational needs.
- **Scalable expansion** using in-house teams as business demands evolve.

Create Connected Digital Factories with AI-Driven Precision

At the cutting edge of Smart Manufacturing, Decisyon integrates Generative AI and Machine Learning to boost production efficiency, enhance decision-making, foster collaboration, predict downtime, and recommend a resolution based on past behavior.

By partnering with clients and leveraging emerging technologies, Decisyon optimizes manufacturing processes, prioritizes high-impact use cases, and ensures operational efficiency.

Comprehensive Workflow Configuration

Pre-configured workflows, key analytics, KPIs, reports, and collaboration tools tailored to manufacturing needs.

Maximum Flexibility

Pre-built modules for rapid connection and digitalization of factories and processes.

Support for World-Class Manufacturing (WCM) Methodology

By optimizing processes, improving quality, reducing waste, and fostering a culture of continuous improvement, DDF drives operational excellence and competitive advantage.

Key Features and Benefits

Industry-Specific, Production-Tested Solutions


- DDF is designed to address common manufacturing challenges with maximum flexibility.
- Manufacturers can seamlessly connect legacy systems, databases, sensors, and machines across geographies.
- Users across all manufacturing operation levels can easily collaborate and extract actionable insights.
- Experience the predictive maintenance driven by advanced AI models and prescription by leveraging LLM models.

Key Capabilities

- **AI-Driven Precision:** Real-time predictive and prescriptive analytics powered by AI Agents.
- **Comprehensive Workflow Configuration:** Pre-built workflows, KPIs, dashboards, and reports designed for manufacturing.
- **Seamless IT/OT Integration:** Connects machines, sensors, and enterprise systems for end-to-end visibility.
- **Collaborative Intelligence:** Enables cross-functional teams to make faster, data-driven decisions.
- **Proactive Problem Resolution:** Predicts and mitigates issues before they cause downtime or quality losses.
- **Integrated Decisyon Smart Gateway:** Decisyon Smart Gateway (DSG) is integrated with DDF, facilitating seamless integration with various field devices and systems, ensuring robust data flow and connectivity.

Proven KPIs

- **Standardization Across Global Enterprises:** Streamlined operations with a unified approach
- **Reduced Downtime and Increased Predictability:** Significant reduction in unexpected downtimes and operational uncertainties
- **High ROI:** Over 200% average return on investment within three years
- **Improved Efficiency and Productivity:** 8% increase in Overall Equipment Effectiveness (OEE) over three years
- **Cost-Effective Maintenance:** Reduced maintenance costs through low-code solutions:
 - ⇒ 10% decrease in maintenance intervention delays
 - ⇒ 10% boost in production line productivity
- **Process and Shift Efficiency**
 - ⇒ 25% reduction in activities required for data collection and process excellence meetings
 - ⇒ 25% reduction in activities for shift handovers
 - ⇒ 100% digitalization of processes for data collection and action management



Over
200%
Average ROI
within three years

Customer Successes

See how our digital factory solutions are put to work. [Click Here](#)



“Schneider Electric’s Global Supply Chain has transformed almost 200 plants to work like they belong to a unique human being with one heartbeat guided by our Smart Factory digital brain.”

— **Anthony Loy**, VP Smart & Sustainable Industrial Ecosystem Transformation Schneider Electric

Unlock the Full Potential of Your Manufacturing

Decisyon is the leader in Smart Manufacturing, utilizing Generative AI and Machine Learning to drive efficiency, enhance decision-making, foster collaboration and be able to predict any downtime or maintenance issues. By working closely with clients, Decisyon tailors solutions to unique manufacturing challenges, focusing on AI-driven applications aligned with industry best practices. This approach ensures continuous improvement, robust security, user-friendly interfaces, and adaptive models that evolve with real-world data.

Ready to Transform Your Operations?

Decisyon Digital Factory—where AI-powered manufacturing meets operational excellence.

Contact sales@decisyon.com today!

Decisyon, Inc.

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Decisyon is a global software innovator transforming manufacturing by delivering measurable impact where it matters most: driving revenue growth, enhancing operational agility, and fostering market competitiveness. While our solutions drive significant gains in efficiency and problem-solving, their greatest value lies in enabling companies to increase production capacity, launch products faster, and capture more market share—often generating up to 300% ROI and 10–15x cash-on-cash return within six months. At the core of this transformation are the Decisyon Digital Factory (DDF) suite, which unites AI Agents, LLMs, and Industrial IoT to accelerate throughput and unlock new revenue streams, and the Decisyon App Composer™ (DAC), an agentic low-code platform that empowers teams to rapidly build and evolve applications so innovation reaches the market—and drives revenue—faster. Together, these technologies enable manufacturers to move beyond efficiency and embrace a truly revenue-driven approach to growth.