Savigent
SOFTWARE

Connect › Analyze › Optimize

HIGH IMPACT SOLUTIONS

Savigent Software provides powerful and agile software to significantly transform your manufacturing operations. We deliver event-driven, highly efficient solutions for our customers' workflow automation, manufacturing intelligence and systems integration needs.

- ➤ Agile Software = Increased Efficiency and Reduced Costs
- ➤ Seamless Integration = Simplified Systems
- ➤ Actionable Data = Smarter Decision Making

The end result? Maximized ROI.

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Savigent Software's suite of products provides a manufacturing operations management platform that enables manufacturers to connect systems and solutions, analyze data in real time, and optimize operations. Together, Savigent Platform,™ Savigent Workflow,™ Savigent Historian™ and Savigent Streamline™ drive continuous improvement by creating solutions such as:

- ➤ Electronic Standard Operating Procedures
- ➤ Energy Management
- ➤ Enterprise Integration
- ➤ Fault Detection and Incident Management
- ➤ Inventory Management

- ➤ OEE/Performance Monitoring/ Asset Management
- ➤ Recipe and Batch Management
- ➤ Standardized Process Management/Compliance
- ➤ Traceability and Genealogy
- ➤ Workflow Management

Cross-Sector Expertise

Our suite of software products has been proven in discrete, batch, continuous and hybrid manufacturing environments at Fortune 500 companies. We deliver solutions to improve operations in a variety of industries including aerospace and defense, automotive, consumer packaged goods, food and beverage, high-tech manufacturing, general industrial, specialty chemical, med tech, energy, plastics and glass, and semiconductor.

Savigent Software delivers increased operational efficiencies, agile control of manufacturing assets, and improved process control and product quality.

POWERFUL AND AGILE SOFTWARE

PLATFORM Savigent Platform™ dramatically simplifies the development and management of highly scalable service-oriented software solutions in the manufacturing environment. It combines three powerful capabilities into one software product: a composite application development framework, a unifying service architecture and a managed event-driven execution environment. Platform powers all of our products – implementing and running all core functionality and enabling end-user extensibility and configuration.

Assemble robust composite applications quickly – Manufacturers, system integrators, OEMs and ISVs can quickly and easily assemble event-driven, composite applications from reusable components (autonomous agents) in an intuitive visual development environment. Composite application development using autonomous agents dramatically decreases development time and yields more robust and flexible software.

Manage deployment of composite applications to your environment – Platform provides a central repository for revision-controlled management of composite applications and their configuration. It also manages the environment of nodes and handles deployment.

Harness the power of a unifying service-oriented architecture – Platform promotes a service-oriented approach to system development. Services formalize and generalize the interactions between functional components of a system. They also help isolate change and allow for the controlled extension or reconfiguration of systems. Savigent Bus extends this concept, which provides standardized patterns needed in typical deployments, which dramatically reduces system complexity while increasing maintainability and flexibility.

HISTORIAN Savigent Historian™ is a context-aware process data historian, a high-performance database for historical manufacturing information, and a highly scalable and distributable data collection infrastructure based on the Savigent Platform. Historian has been optimized to capture and store both time series process data and event-based context data, such as temperatures and pressures (equipment time series process data) and equipment state (event-based context data). Combining event-based context data with process data yields contextualized information about your manufacturing equipment and processes.

STREAMLINE Savigent Streamline™ accelerates and automates the fault detection process by combining stream processing and complex event processing (CEP). Using Streamline, meaningful events (such as opportunities or threats) can be quickly identified and responded to. This multi-variable analysis gives manufacturers the capability to infer data that is not directly collected and therefore detect faults or anomalies more efficiently.

WORKFLOW Savigent Workflow™ is a controlled electronic system designed specifically for the automation of workflow in the manufacturing environment. Workflows are the sequences of actions that define the interactions between people, equipment and systems in the normal course of operations, as well as in response to unexpected events. They are the processes and procedures manufacturers strive to define, document and refine in order to improve quality, reduce variability and increase operational efficiency.

Using this powerful workflow engine, manufacturers can ensure compliance, gain unparalleled levels of traceability, provide decision support through meaningful manufacturing intelligence, close the loop on continuous improvement efforts, improve operational productivity and reduce resource requirements.