Manufacturing Business Systems
An interactive set of software business tools, unleashing manufacturing productivity through digitization.
Integrated Development Environment

GE Fanuc expands on the popular CIMPLICITY line with a new dimension in software designed for state-of-the-art machine-based HMI, motion and control applications. Enabling fast, powerful object-oriented programming, CIMPLICITY Machine Edition features a common user interface, drag-and-drop editing and takes full advantage of industry-standard technologies like XML, COM/DCOM, OPC and ActiveX. And Machine Edition also includes Web-enabled products like a built-in Web server that delivers real-time data to anyone in the enterprise. This, coupled with an efficient, user-friendly design, makes CIMPLICITY Machine Edition the perfect choice for HMI, PLC and PC-based motion and control.

- **View**
  View is a machine level HMI allowing you to visualize your process and control devices. It supports communication protocols from all the major PLCs and includes OPC client and server drivers. It lets you publish your data and graphical panels over the web to a standard web browser.

- **Motion Developer**
  With Motion Developer, you can develop motion control programs for GE Fanuc S2K series motion controllers quickly and efficiently. Plus you can create up to 100 motion blocks and save them for use in future projects.

- **Logic Developer**
  Whether you work in a PLC or PC-based control environment or both, Logic Developer provides all the tools you need to develop, monitor and debug your applications. In addition, Logic Developer provides full scalability from Windows® CE to Windows® NT/2000 as well as across the wide spectrum of GE Fanuc PLCs.
CIMPLICITY Plant Edition provides superior HMI and SCADA functionality and establishes a solid foundation for Collaborative Internet Manufacturing. True client/server architecture and open-system design offer fast, easy integration with the ability to grow from a single computer node to a plant-wide monitoring and control system providing real-time information from the factory floor to all levels of the enterprise.

CIMPLICITY Plant Edition leverages the latest web technologies to provide you visibility into the key metrics you need to run your manufacturing operations efficiently and effectively. This data is made available to one of the many web-enabled display devices on the market today. Whether it be a standard web browser, handheld PDA, wireless bar code reader or industrial hardened CE device, you get real-time access to the important indices to operate your business.

GE Fanuc has always embraced and makes optimal use of Microsoft technology standards. As part of the Microsoft Developer Network and Microsoft Certified Solution Provider program, GE Fanuc worked with Microsoft to fully leverage the Windows® 32-bit architecture and key technologies like ActiveX™, OLE for Process Control, SQL Server and DCOM.

Apply the Power of Collaborative In

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**Integrated Enterprise Systems**

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**Built on an HMI Foundation**

CIMPLICITY HMI consolidates the collection of data from your facility's sensors and devices, then transforms the data into dynamic text, alarm and graphic displays. It gives users access to real-time information, helping them make better decisions and prevent problems before they occur for improved quality, productivity and profitability. Features include:

- **Project Wizard** – Speeds project setup and configuration.
- **Improved Data Logging** - CIMPLICITY SQL provides Microsoft SQL Server with high-speed bulk insertions, dead bands, and optimized storage. Logging to Oracle databases is also provided.
- **WebView Broadcast** – Allows an unlimited number of users to view screens over the Internet or intranet.
- **OpenObjects™** – Enhances our powerful drag and drop capabilities.
CIMPLICITY Tracker

By giving you the ability to monitor the progress of each product that moves through your production or packaging process, CIMPLICITY Tracker creates exciting new opportunities for raising productivity and cutting costs. You get the detailed, continuous flow of information you need to optimize your manufacturing process, while managing inventory levels and locations, scheduling resources and routing materials much more effectively.

CIMPLICITY HMI for CNC

This powerful Windows-based software product helps increase the quality and productivity of your machining and plant operations. Combining the powerful features of CIMPLICITY and GE Fanuc’s OpenFactory™ CNC products, CIMPLICITY HMI for CNC provides superior operator interfaces, comprehensive production monitoring and reporting, simplified data acquisition and efficient cell control.
ViewStation™ NT/ControlStation™ NT
Combines the latest industrial computer hardware and CIMPLICITY Machine Edition software to provide a single scalable solution for all your graphical interface needs. Control options are also available.

ViewStation™ CE/ControlStation™ CE
Combines the latest industrial computer hardware and CIMPLICITY Machine Edition software to provide a single scalable solution for all your graphical interface needs. Control options are also available.

TabletView™
Featuring the latest wireless Ethernet and Windows CE technologies, TabletView provides a fast and convenient way for mobile users to access plant control systems.

PalmView™
Leveraging the wireless PDA and Windows CE technologies, the PalmView provides a fast and convenient way for mobile users to access real-time data of the plant control systems.

ThinView™ CE
Powered by Microsoft Windows CE and using the latest Thin Client technology, CIMPLICITY ThinView CE allows operators and managers to view real-time graphical automation screens from the plant floor without additional screen configuration. Users can also enter process information as the bi-directional information flow, facilitated by the on-board Ethernet, permits easy system interaction with unprecedented flexibility.

CIMPLICITY PMCS
Tracking and controlling facility power from a desktop computer is easy with CIMPLICITY Power Management Control System (PMCS) software. A click of the mouse opens a power distribution profile window, showing real-time trends, events, alarms, waveforms and usage patterns—information to help you improve quality, reliability, and prevent peak demand surcharges. For small industrials, hospitals, universities and large manufacturers, this customizable, open-design solution fits today’s facilities—and can expand for tomorrow’s.

CIMPLICITY Power Tools
Each CIMPLICITY system includes a complete set of Power Tools that give you the functionality you need to construct and integrate your most demanding applications.
- CimEdit & CimView
- Symbols & Objects Library
- Alarm Management
- Basic Control Engine
- Database Logger
- Point Control Panel
- Point Cross Reference
- Trending
- Quick Trends
- XY Plots
- System Points
- Dynamic Measurement Systems
- Configuration Import/Export
- DDE Interface to Applications

CIMPLICITY Optional Power Tools
CIMPLICITY also has a set of Optional Power Tools for those users searching for additional functionality, such as Recipe Management, Redundancy, Web-Based products and many more.

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Discover the New Power of CIMPLICITY®

At GE Fanuc we understand that real-time information is the enabler of the e-business world and the foundation for fast and effective supply-chain execution. In order to help companies realize the full benefits of e-business, we are helping them adapt to a new manufacturing model that utilizes web-based integration instead of hierarchical control to free the flow of real-time data throughout the enterprise.

The New Manufacturing Model

For many companies, ERP systems were set into action to deploy financial systems and customer order management applications with the “promise” that manufacturing would follow. But the batch-oriented method of distributing information, together with the lack of integrated plant execution systems, has prevented successful deployment of a “real-time” supply chain management system.

GE Fanuc can help you optimize your supply chain by filling in the missing links with real-time information. We use web-centric MES technologies to create a collaborative real-time information exchange between customers, manufacturers and suppliers via the web. And we can call on the combined experience and resources of GE Industrial Systems, including GE Cisco Industrial Networks, to design and implement the systems and networks you need.

Our solutions team will work with you to evaluate your e-business architecture and to help design a real-time execution system that ties into ERP, Planning Systems and Customer Relationship Management solutions as needed.

Business Problem

Companies must adopt a new model of doing business in order to realize the full benefits of Collaborative Internet Manufacturing.

Business Solution

GE Fanuc will provide the tools, technology and expertise to create a web-centric, real-time execution system with open communications architecture, to achieve a high degree of interoperability between systems.
Collaborative Internet Manufacturing

Share real-time information about inventory, manufacturing, delivery and demand for your products with all of your trading partners.

CIMPLICITY Machine Edition™
Machine Edition provides state-of-the-art machine-based HMI, motion and control technology for real-time collaborative manufacturing. It is ideal for machine and smaller applications, as well as for OEMs, and features an easy-to-use, integrated development environment providing visualization, motion and multi-target control.

CIMPLICITY Plant Edition™
Plant Edition expands the superior HMI and SCADA functions of CIMPLICITY software to create a comprehensive software package ideal for all aspects of manufacturing. True client/server architecture and open-system design offer fast, easy integration with the ability to grow from a single computer node to a plant-wide monitoring and control system, providing real-time information from the factory floor to all levels of the enterprise.

CIMPLICITY Bundled Solutions
Combining the power of CIMPLICITY software with rugged industrial hardware, CIMPLICITY Bundled Solutions provide a fully integrated, pre-tested HMI solution. With powerful standard features and a host of configuration options, CIMPLICITY Bundled Solutions will help you boost the performance of existing systems, while providing the power, responsiveness and flexibility demanded in advanced manufacturing applications.

The Evolution of CIMPLICITY Software
Using the latest web technologies and building on the most powerful industrial automation software on the planet, GE Fanuc can help make Collaborative Internet Manufacturing a profitable reality for your business. The CIMPLICITY software family now extends into your entire supply chain, allowing you to create one virtual interface between all your manufacturing layers. From the machine, to the cell, to the plant floor and throughout the enterprise, this interactive set of software business tools provides real-time collaboration between customers, manufacturers and suppliers.

The bridge between the manufacturing environment and the rest of the supply chain is CIMPLICITY Advantage. It provides a seamless and personalized real-time view of manufacturing operations across plants, divisions and throughout the supply chain. CIMPLICITY Advantage enables complex analysis of manufacturing data, and correlates data from other enterprise applications to improve time-to-market, reduce inventory and cut supply chain costs. It also enables “cradle-to-grave” traceability for individual products and closed loop quality tracking and analysis to improve product line life-cycle management. And since it is web-based, CIMPLICITY Advantage provides outstanding efficiency and cost savings for large, multinational manufacturers.
Work Directly With the Experts

At GE Fanuc, we want to work with you to determine the best solution for your application or challenge. We can combine the open software, hardware, network and integration expertise you need to achieve maximum productivity. We have the integration and engineering expertise you can call on to implement the solution. And we back the solution, and your organization, with the highest level of support in the industry. That's the power of GE Fanuc System Solutions.

Project Management & Execution

Using GE’s best practices, our team can manage your project based on a project life cycle that has been honed from over 25 years of project implementations. We’ll define, design and configure a system to maximize your benefits.

Packaged Solutions

OEMs use the expertise of the System Solutions team to develop value-added applications with CIMPLICITY products. We have also worked with end users to develop and implement standard applications.

Application Support & Training

We can provide both short-term and long-term support—from a few hours to full time, on site engineers. We can train your users how to use the system to maximize benefits.

System Solutions:
- MES/Supply Chain
- Automotive
- Quality Management
- Asset Management
- Logistics
- Six Sigma
- Consulting
- Vendor Managed Inventory (VMI)
- E-diagnostics/Remote Monitoring and Diagnostics

Technology Experience
- Automation software
- Computer engineering
- Connection to enterprise/ERP and systems
- Database systems
- Electrical engineering
- General automation applications
- Internet and Ethernet applications
- Machine tool and CNC applications
- Manufacturing engineering
- Mechanical engineering
- Microsoft® and UNIX® operating environments
- Motion control applications
- Networks and communications
- Process control applications
- Product and application software development
- Six Sigma/quality system applications

GE Fanuc Automation

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