FANUC

GE Fanuc Automation

www.gefanuc.com

CIMPLICITY® OpenProcess™ Solutions

The Open System Approach To Process Automation

Providing the tools to design, implement, document and maintain a process control system.

The Open System Approach To Process Automation

From the plant floor to the enterprise level, OpenProcess software's open architecture enables it to mesh seamlessly with other systems. This eliminates the need for custom, inflexible solutions for your applications, and provides faster and easier access to information from anywhere within your process. Hundreds of devices from all major suppliers are supported, helping to provide a low cost of ownership and an easy solution for incremental system growth. OpenProcess even allows for connectivity to legacy DCS and PLC control systems within the same database.

Engineering Workstation

Provides all the tools required to develop your OpenProcess system:

- Controller configuration and tag definition
- Function Block Diagram for developing control strategies
- I/O checkout, program upload and download, tuning of control variables, and reporting
- HMI screen development

Operator Console

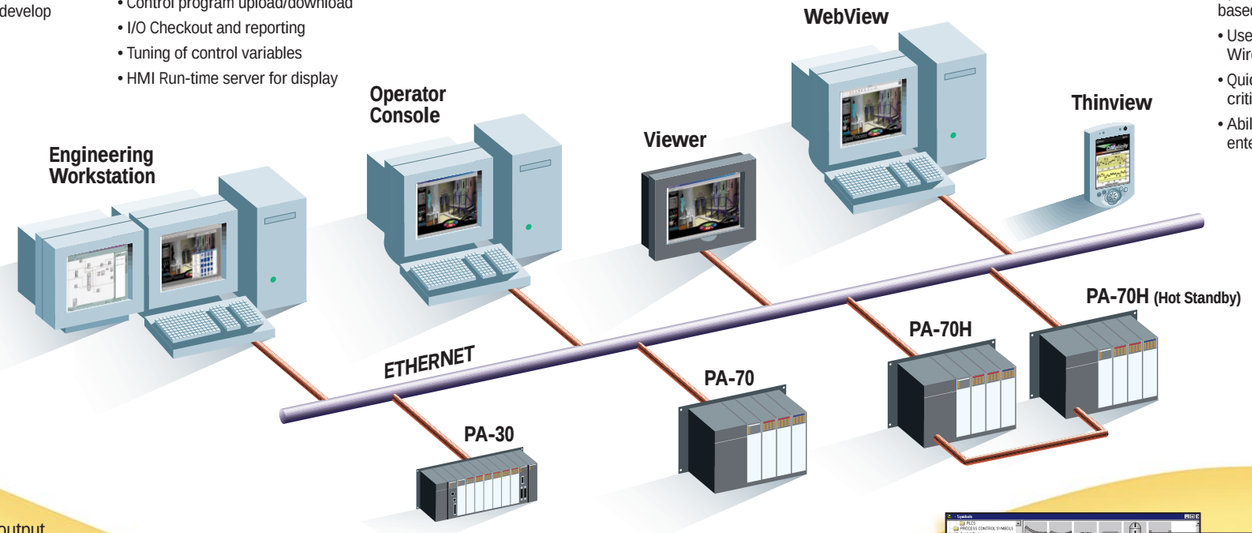
Provides the tools for running and viewing your OpenProcess system:

- View-only features of control strategy and run-time view of data values
- Control program upload/download
- I/O Checkout and reporting
- Tuning of control variables
- HMI Run-time server for display

Viewer

For additional OpenProcess applications connected to a server, OpenProcess viewer allows access via HMI screens without additional programming or configuration.

- Tuning of control variables
- HMI run-time view node
- Operator functions



Thinview—Internet Connectivity

OpenProcess provides a variety of web based solutions that provide the benefits of:

- User Mobility—Wireless Ethernet communications
- Quick and easy access to critical information
- Ability to connect and view or enter process information

Process Controllers & I/O

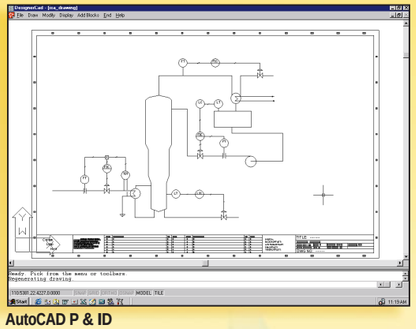
Choose from a proven controller and I/O family with connectivity to a variety of open control networks to meet specific application requirements. Controllers are available with redundant hot-backup capabilities for critical control applications.

1.

Piping & Instrumentation Diagram plus System Configuration

OpenProcess models the process systems input/output by assigning rack, module and point destinations. Using a predetermined template, this task is accomplished as a simple "fill-in-the-blanks" procedure or import from any standard database or spreadsheet. This data file will then be used to cross-link the point attributes to the algorithms on the process control diagrams. You can quickly and easily go from Process & Instrumentation Diagram to controller configuration.

- Controller set-up
- I/O configuration
- Instrument tag definition
- Assign tags to I/O
- Fill-in-the-blanks or import configuration

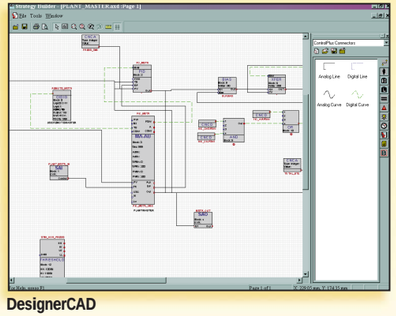


AutoCAD P & ID

2.

Project Development

Process control logic diagrams are developed using OpenProcess Strategy Builder. The control strategy is built by selecting the appropriate blocks, assigning symbolic tags, and connecting the blocks with analog and digital lines, using drag and drop editing. SAMA style function blocks define all algorithms and parameters that form a process loop.



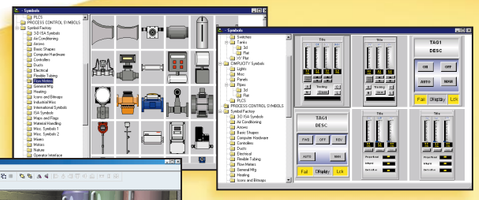
DesignerCAD

- On-line programming and troubleshooting tools
- Complete, proven library of comprehensive function blocks
- Self-documenting with AutoCAD drawing files

3.

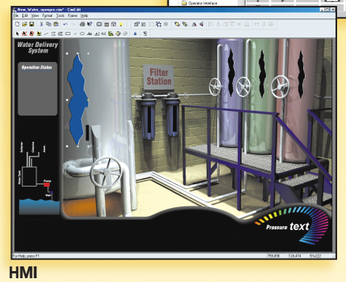
HMI Screen Development

A combination of powerful process management tools and advanced HMI functions provides you with superior human machine interface functionality. The compiled project generates the entire system database automatically. Powerful animation capabilities, advanced alarm management and full featured trending help transform your critical process data into easily accessible process information.



Symbol Library

SmartObjects



HMI

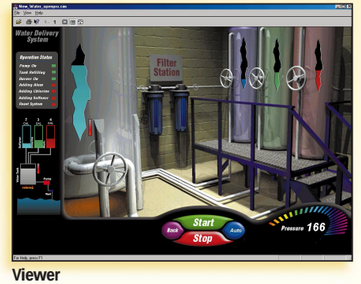
- Drag-and-Drop capabilities
- Over 2,000 process graphic symbols
- PID SmartObjects™ automatically configured faceplates
- Automatic point alarm generation
- Dynamic screen testing
- Object oriented screen and objects
- ActiveX and Object container
- ODBC compliant for easy connectivity to SQL Server

4.

Operational

OpenProcess provides suggestive tuning capabilities, on-line and off-line control configuration and intelligent control schematics from which the system can be modified and tuned.

- Edit control program without going off-line
- Tune process parameters and save updates
- Operators easily interact with advanced process visualization
- Graphical representation of real-time processes
- Track alarms, generate reports and review historical data from screens
- Complete set of advanced HMI features available



Viewer

Features

- DCS functionality
- Continuous control programming using a Strategy Editor and pre-defined function blocks
- SAMA style control schematics
- Suggestive on-line tuning and troubleshooting
- Integrated control and operator interface
- Automatic PID faceplate configuration with SmartObject Technology
- Built-in simulator for control program testing
- Server and Controller Redundancy
- Internet/Intranet Connectivity with Remote Webview and Mobile Thinview
- Alarm Management
- Recipe Management
- Real-Time SPC
- Paging system for alarms
- Complete HMI functionality
- OPC Connectivity

Industries

- Water and Wastewater
- Power and Energy
- Specialty Chemicals
- Cement
- Pharmaceuticals
- Biotechnology
- Consumer Goods
- Food and Beverage
- Petrochemicals
- Pulp and Paper
- Metals and Mining

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.

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