



## Proficiency Process Systems\*

Proficiency Process Systems was designed specifically to fill the gap that has long existed between traditional DCS systems and PLC/HMI based systems. This new technology offering solves the problems and limitations of these traditional systems and provides customers in the hybrid and continuous process space with a solution that will improve their operational efficiency, overall business results, and reduce their total cost of ownership.



Proficy Process Systems provides the control systems engineer with the integrated tools they need to design, implement, document, and maintain a process automation system using batch and continuous control strategies and utilities typically associated with DCS distributed control systems yet at a traditional HMI/PLC solution price structure, openness, and flexibility.

With Proficy Process Systems, you will achieve freedom – Freedom to extend, to change, and to improve your process with a full-featured system that enables you to be in control of your destiny. No longer are you relegated to live with “the way it is”. With Proficy Process Systems, you have the power and ability to achieve your vision of how to best run your operations.

Proficy Process Systems has the capabilities to stand on its own and deliver you unique value. But when coupled with our family of Proficy software solutions, it provides you with capabilities not available from any other single vendor.

Proficy Process Systems can be combined with Proficy Batch to provide hybrid customers in life sciences, food and beverage, and personal care industries with the ability to handle the typical applications that they face such as solution preparation, mixing, brewing, and blending. When combined with Proficy Plant Applications, the overall solution allows you to achieve the operational excellence your ERP vendors promised but never delivered upon.

Proficy Process Systems delivers the regulatory control required by continuous process industries such as Power and Energy to handle balance of plant applications, Oil and Gas to handle liquefied natural gas re-gasification and pipelines, Water / Wastewater to handle in-plant processing, and streaming industries such as Metals and Pulp / Paper to handle their process lines.

## Product Features and Benefits

Proficy Process Systems provides a completely integrated system with a common global namespace. What this means to you, the user, is simplified configuration and maintenance. Tags in the system are defined once and then referenced and used commonly throughout the system. There is no need to configure tags in the controller and then in your screens. The global namespace capability of Process Systems can reduce system configuration time by 30%.

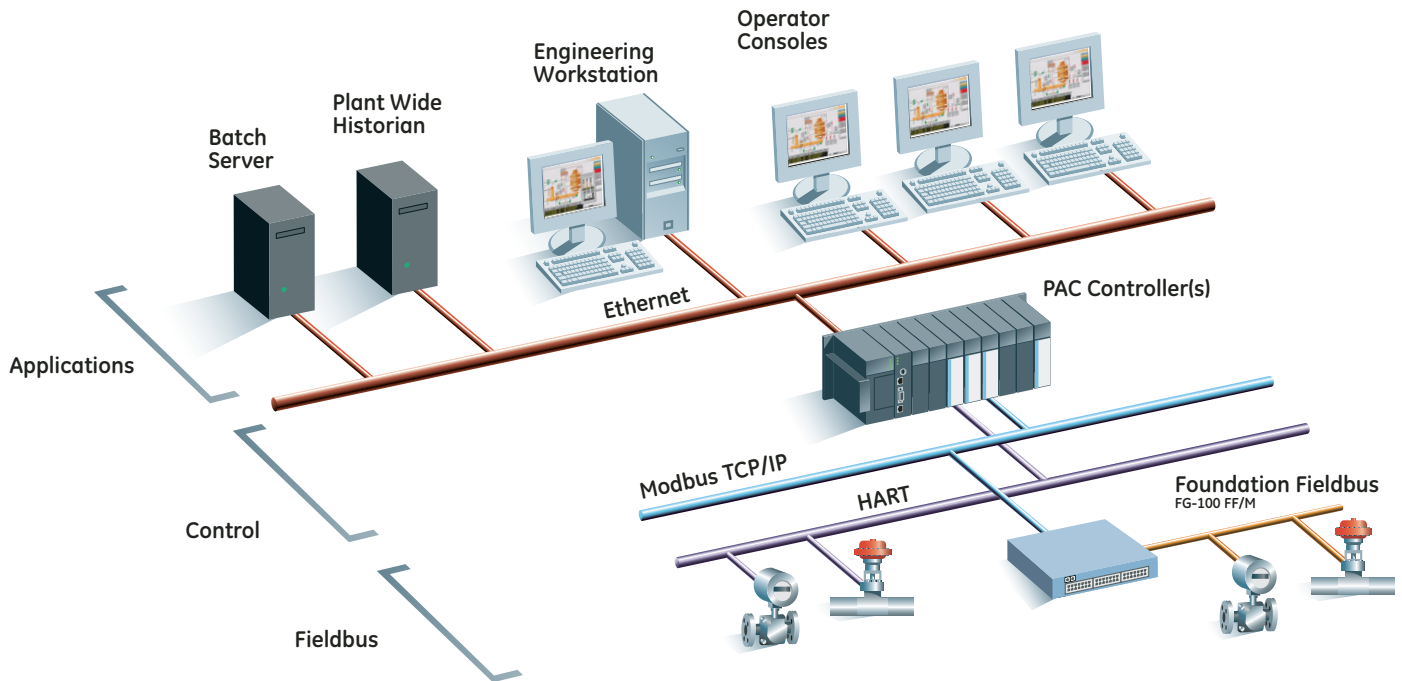
Proficy Process Systems is also packed with powerful control features to tackle the toughest control applications. A comprehensive set of over 140 function blocks, including 30 blocks for advanced regulatory control, is provided to tackle most common control requirements. In addition to the standard set of function blocks, Proficy Process Systems provides user-defined function blocks that provide you the freedom and flexibility to define exactly the control algorithms you need.

Connectivity to devices and instruments is essential in any control system, and Proficy Process Systems provides this through integrated fieldbus networks including Foundation Fieldbus, ASI, Profibus DP and PA, and HART.

Proficy Process Systems can be easily extended with other products from the Proficy family to add additional powerful capabilities. Process Systems tightly integrates with Proficy Batch to provide outstanding control and achieve batch-to-batch consistency. The phase logic of Process Systems provides tight variance of all ingredient deliveries for applications such as pre-weight (food) and weigh & dispense (life sciences).

Proficy Process Systems includes the Proficy Historian and with the addition of the Proficy Portal product to the system, provides a plant performance monitor solution that can shorten the time it takes to tune control loops.

## Product Architecture



Proficy Process Systems is a comprehensive process automation solution for both continuous and hybrid control applications. The architecture is highly scalable both in system size and functionality, which allows you to cost-effectively implement applications of any scope.

The Engineering Workstation provides an integrated development environment that centralizes project-engineering including:

- Control Strategies, Alarm, and I/O Configuration
- Process Graphics Development
- Historian Configuration
- Change Management
- Project Documentation

The Operator Console provides a user-friendly environment for process operations and information access. In addition to state-of-the-art graphical components for process monitoring and control, the Operator Console also includes alarms monitoring and management tools for process and system diagnostics and troubleshooting.

The Proficy Historian allows you to effectively manage the vast amount of process data and convert this data into useful information, allowing you to make real-time decisions based on this information. An Enterprise Connector allows you to easily connect to your plant's ERP layer to pass information such as schedules, recipes and material information.

The Proficy Batch Execution System may be added as an option to Proficy Process Systems for batch manufacturing process. Proficy Batch has been developed based-on the S88.01 standard, it provides a comprehensive set of easy-to-use tools for designing and implementing cost-effective batch control solutions.

## Proficy Process Systems – Many Challenges, One Solution

The operation of your plant presents many challenges. GE Fanuc provides our customers with more than just products. We provide complete solutions. By working with System Integrators, OEMs, and customers, GE Fanuc delivers a process automation system that will meet your toughest applications today, while providing you with a platform that provides the freedom and flexibility for you to continue to grow into the future.

With Proficy Process Systems you will find a system that provides you the reliability and control that your applications demand, the operational efficiency you have constantly sought, and results your business demands.

### Proficy Software Modules:

*Real-Time Information Portal*  
Proficy Real-Time Information Portal

*Plant Performance and Execution*  
Proficy Efficiency  
Proficy Production  
Proficy Tracker  
Proficy Machine Tool Efficiency

*Integrated Quality*  
Proficy Quality  
Proficy Non Conformance Reporting  
Proficy Shop Floor SPC

*Process Solutions*  
Proficy Process Systems\*  
Proficy Batch Execution  
Proficy Batch Analysis

*Plant Data Repository*  
Proficy Historian

*Asset Management*  
Proficy Enterprise Asset Management  
Proficy Remote Monitoring & Diagnostic  
Proficy Change Management

*HMI / SCADA*  
Proficy HMI/SCADA – iFIX\*  
Proficy HMI/SCADA – CIMPLICITY\*  
Proficy View – Machine Edition

*Programming & Control*  
Proficy Logic Developer  
Proficy Motion Developer – Machine Edition

### GE Fanuc Support & Services:

Proficy GlobalCare Support  
Proficy Professional Services  
Proficy Training

### GE Fanuc Automation Information Centers

Americas:  
1 800 GE FANUC or 434 978 5100

Asia Pacific:  
86 21 3222 4555

Europe, Middle East and Africa:  
800 1 GE FANUC or 800 1 4332682  
or 1 780 401 7717

Europe, Middle East and Africa (CNC):  
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### Additional Resources

For more information, please visit  
the GE Fanuc web site at:

[www.gefanuc.com](http://www.gefanuc.com)

