



Proficiency* Pulse

Powerful visualization and analytics for your operations

Features

- Powerful visualization engine for historical and real-time data
- Simple or complex animation capability
- Real-time chart displays with runtime data export, snapshots and printing
- Customizable runtime user ribbon for navigation, time selection and scripts
- Industry standard VBA scripting for data manipulation
- Pre-built objects and wizards for quick development
- Quick and easy setup to Proficiency* Historian and/or OPC sources
- Background scheduler
- Fully functional web client option

Benefits

- Increased operator effectiveness
- Improved ease of use and accessibility
- Faster and better analytics-based decision making
- Easy, secure application access at all levels of your workforce
- Time savings and flexibility

Unified Presentation for Maximized Effectiveness

Proficiency* Pulse from GE Intelligent Platforms is a flexible software application designed for operators, engineers and analysts that delivers powerful visualization and analysis through a unified, single point.

Based on industry standards, Proficiency Pulse can take inputs from any underlying product and provide context to historian and real-time data—driving actions to improve your operations for a sustainable advantage.

Instant Analytics

Proficiency Pulse contextualizes historical information within a single application for quick and easy analysis. With its proven visualization layer, hundreds of pre-built objects, and industry standard scripting engine, Proficiency Pulse uncovers hidden issues buried deep in your data to drive positive change.

Increased Operator Effectiveness

To provide operators and engineers with efficiency and intelligence, Proficiency Pulse enables real-time analysis of large volumes of complex information from many sources for objective decision making.

Easy Consolidation of Data from Disparate Sources and Systems

Consolidating all of your data sources into one central application, Proficiency Pulse enables easy data correlation for better and faster decision-making. In addition, the user interface provides dynamic screens, interactive graphics, and powerful trending for quick issue resolution.

Efficient Interaction and Visualization

Proficiency Pulse introduces a unique runtime ribbon that enables you to dynamically change the timeframes for all Proficiency Historian information displayed on the screen. You can also use the runtime ribbon to expand and customize functions, have multiple grouped sections for navigation and instant time controls, jump to predetermined timeframes, and launch real-time graphics or third-party applications.

Compatibility, Accessibility, and Globalization

You can use Proficiency Pulse on a desktop or panel, or over the web. Once you configure your screens in the Proficiency Pulse workspace, you can deploy to other Proficiency Pulse-enabled devices running on a standard or embedded Windows® operating system. In addition, you can set up Proficiency Pulse for accessibility over the web in multiple languages from a central server—enabling anytime, anywhere access.



The Proficiency Pulse runtime ribbon enables efficient interaction by providing instant access to graphics, third-party applications, and analytics—increasing flexibility and saving time.

Proficy Pulse – Powerful visualization and analytics for your operations

Multiple Concurrent Data Sources

Pull in data from multiple Proficy and third-party sources, and correlate information using multiple inputs to drive animations and analytics.

Manual Data Entry

Users can enter data manually to provide feedback on displayed information, and Proficy Pulse can route input to any of the connected systems.

Real-Time Proficy Historian Link

With an enhanced Proficy Historian link, Proficy Pulse can change modes and timeframes for all displayed data or individually.

Data to Information

Proficy Pulse delivers an industry standard VBA scripting engine— enabling transformation of simple or complex raw data into information.

Enhanced Security

Proficy Pulse provides secure access to sensitive data or actions using optional biometric and/or e-signature.

Corrective Actions

Proficy Pulse delivers pre-built Proficy Workflow components that enable operators to take immediate corrective action and quickly respond to events.

KPI Monitoring

Integrate operational Key Performance Indicators into your displays to drive awareness and transparency.

Dynamic Language Translation

Proficy Pulse can dynamically change languages on the fly.

Multi-Pen & Axis Trending

Leverage powerful trending components designed with end-user flexibility and control in mind.

Environment Lockdown

Run Proficy Pulse on dedicated terminals by enabling runtime environmental protection that locks out core operating system functions.



Proficy Pulse: Analyze – Consolidate – Decide

Proficy Pulse – Powerful visualization and analytics for your operations

Proficy Plant Applications

Quickly integrate higher-level MES, traceability, quality, efficiency, maintenance or scheduling data from Proficy Plant Applications using pre-built components.

Background Scheduler

Define periodic and event-based scheduled actions to drive analytical and real-time actions. Schedules can perform various critical functions like triggering reports, initiating workflows, generating analytical samples, etc.

Secure Containment

Leverage an extremely reliable ActiveX container based on Proficy secure containment technology, capturing failures of third-party ActiveX controls and scripting without crashing the container environment.

Develop Once – Deploy Everywhere

In addition to desktop computers, you can deploy applications on embedded devices like panels and tablets to thin clients like terminal services or a web client—through a browser.

Flexible Graphical Editor

With a rich set of graphic objects and drawing tools, Proficy Pulse provides an excellent canvas for the development of operational user interfaces.

Scripting & Connectivity

Customize your applications using the industry standard Visual Basic for applications, and connect to other systems using OPC DA, OPC A&E, ADO, OLEDB and ODBC.

Fast Time to Solution

There are hundreds of pre-built objects, customizable to your specific needs for a true drag-and-drop configuration experience.

Third Party Integration

Utilize the provided components to build your graphics and or pull in and integrate any third-party ActiveX component with ease.

Unlimited Power

Proficy Pulse offers unlimited graphics, trends, objects, connections (real-time & historical), scripts and tags that are included out of the box.

Security

Proficy Pulse offers integrated windows based security for controlling multiple roles and users.

Proficy Pulse: Flexible – Powerful – Unlimited

Proficy Pulse – Powerful visualization and analytics for your operations

Real-Time Visualization

Proficy Pulse is a true OPC DA and OPC A&E client, enabling users to view and interact with real-time data from operational devices, HMI/SCADA systems, and other software. It can directly interface with native OPC servers like GE's Industrial Gateway Server (IGS) as well as other third-party OPC servers to provide an open architecture for HMI functionality.

On-the-fly Historian Analysis

Operators have the flexibility to switch to an Analysis mode with Proficy Historian on the fly for the entire display or individual elements on the display. This provides new insight into the daily functioning of the operator, providing the ability to proactively visualize operations for greater efficiency.

Intelligent and Collaborative User Environment

Proficy Pulse participates in operational workflows defined through GE Intelligent Platforms' Proficy Workflow product, to make the operator a collaborative part of the greater operational metric.

It also integrates with our Proficy Cause+ analysis software to provide the operator with intelligent tools for effective decision making. Proficy Pulse also tightly integrates with our Proficy Plant Applications software to enable operator interaction with operational KPIs.

Proficy Pulse for Web

Empower your users to view, react, and analyze information from anywhere with web-enabled full functionality of Proficy Pulse on demand. With an easy one-time setup and no requirement to convert screens, users can get online within minutes—viewing Proficy Pulse with no compromises.

Proficy Pulse for Embedded

You can deploy Proficy Pulse on a wide array of the new generation XP Embedded-based devices to further drive analytics and visualization across your organization.

Software Requirements

Proficy Pulse

- Microsoft® Windows® XP Professional, SP3+
- Vista SP1 (Business, Enterprise or Ultimate Editions), Vista Ultimate Edition SP1 running on a Table PC, XP Tablet Edition
- Microsoft Server 2003 SP2+ (Standard or Enterprise Edition)

Proficy Pulse for Embedded

- Windows XP Embedded Service Pack 2 Feature Pack 2007

Proficy Pulse for Web

- Internet Explorer 7.0 or 8.0
- Mozilla FireFox 3.0 or 3.5
- Network connectivity
- Microsoft Internet Information Server (IIS) or Apache
- Microsoft Windows XP Pro, Server 2003 or Server 2008

Recommended Software:

- Proficy Industrial Gateway Server (IGS) 7.5+ or third-party OPC server
- Proficy Historian 3.5

Please refer to our product technical literature for detailed recommended hardware configurations.

For more information, visit www.ge-ip.com/pulse

About GE Intelligent Platforms

GE Intelligent Platforms, a General Electric Company (NYSE: GE), is an experienced high-performance technology company and a global provider of hardware, software, services, and expertise in automation and embedded computing. We offer a unique foundation of agile, advanced and ultra-reliable technology that provides customers a sustainable advantage in the industries they serve, including energy, water, consumer packaged goods, government and defense, and telecommunications. GE Intelligent Platforms is a worldwide company headquartered in Charlottesville, VA and is part of GE Home and Business Solutions. For more information, visit www.ge-ip.com.

GE Intelligent Platforms Contact Information

Americas: **1 800 433 2682** or **1 434 978 5100**

Global regional phone numbers are listed by location on our web site at www.ge-ip.com/contact

www.ge-ip.com

