# Proficy Historian

Providing a robust and effective plant data repository, Proficy Historian enables you to collect, archive and distribute large volumes of real-time, plant floor information at incredible speeds.

## KEY TECHNICAL BENEFITS

Highly reliable system architecture

Easy configuration and administration

Superior collection, storage and retrieval performance

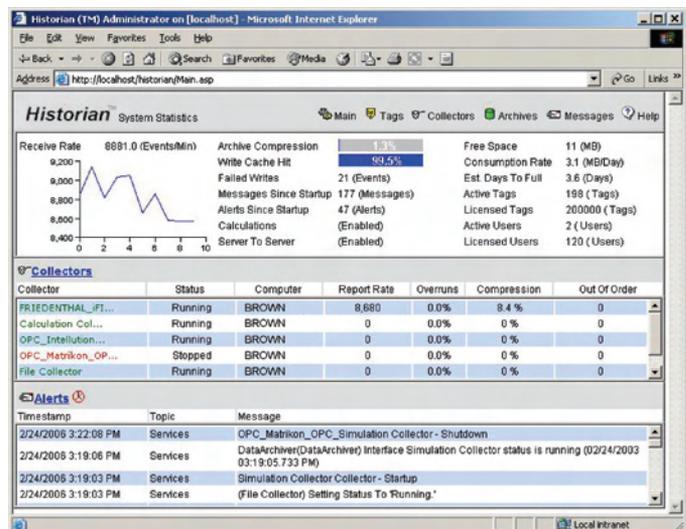Enterprise-level data management

Extensive standards-based connectivity

With the ability to read all types of process data, Proficy Historian provides a window into your manufacturing operations and feeds the higher-level operations management systems with accurate, real-time information.

Whether you're a small municipal facility, a global pharmaceutical company or any business that needs to capture mission-critical data, Historian can help improve your profitability and productivity.

## FEATURES AND FUNCTIONS

### Standard Edition

**Connect-and-Collect Capabilities.** The heart of Historian's data acquisition capabilities is the collector, providing automatic data collection of configured points. Our collectors feature store-and-forward capability and automatic reconnection to the server—ensuring that data is never lost during a network outage.



Using the Proficy Historian web-based administration tool, you can perform all configuration tasks, including browsing data servers, configuring points, performing on-line backups and viewing system messages and alerts.

**Versatile and Simple Administration.** Historian provides both a Windows®-based and web-based administrator that have similar interfaces and operate in the same fashion—eliminating the need for additional training. Users can access and configure Historian from virtually anywhere, including over the Internet.

**Archive Data Servers.** The archive manager administers the archive files and is completely configurable to meet the specific needs of your application. It serves as the main data retention and information conduit, providing full archive management and messaging services. It also enables online system backups without the need to disconnect clients, as is often required by other data historians. With Microsoft® Cluster Server, you can configure two historian servers
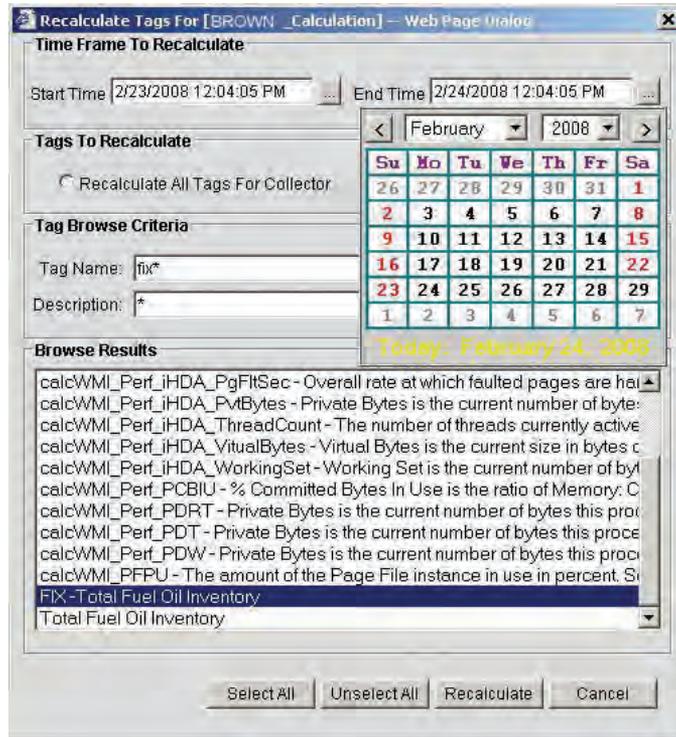
The Re-calculation Expert makes it easy to run calculations or update stored results against legacy data.

in a primary-backup pair for uninterrupted access to critical production data.

**Interfaces.** Historian provides two standard interfaces, the OLE DB Provider and a Software Developers Kit (SDK), plus many optional client tools and applications. You can easily integrate Historian with OLE DB-aware applications such as Microsoft® SQL Server, Business Objects™ Crystal Reports, Excel®, Proficy HMI/SCADA – iFIX's VisiconX and others. You can also query the data, alarms and events, and system and administrative information using standard SQL commands.

**Enterprise Edition—For Advanced Enterprise-Level Data Management**

The Enterprise Edition offers all the features and functions of the Standard Edition, in addition to the following capabilities:

**Alarm and Event Management.** You can collect and store process data with alarms and events in a single, secure data repository. They can be collected from any OPC alarm and event server, and they are indexed with the process data tag in a Microsoft SQL Server or the bundled SQL Server Desktop Engine database that does not require any additional configuration. Furthermore, with administrator tools, you can manage both the process data and alarm and event data simultaneously.

**Advanced Calculations.** The Calculation Collector has pre-configured but extendable business rules and calculations that allow users to manipulate the collected data, including alarm and event data, and store the calculated values in Historian.

**Distributed Data Management.** The Server-to-Server Collector shares all of the features of the Calculation Collector and distributes data from one Historian to another—enabling robust data distribution. You can centralize administration for all remote tags and standardize on performance and reporting metrics across multiple locations, thereby streamlining your processes and reducing variances.

**Enhanced High Availability.** In addition to Microsoft Cluster Server support, the Historian Enterprise version includes redundant data collectors that automatically switch to a backup collector in the event of a system failure—providing uninterrupted access and collection of plant data, regardless of network, software or hardware problems. ●

> " The benefits of Proficy have touched almost every department in the plant, as we are a data-driven company. We never would have achieved our current productivity and scrap rates without Proficy. "
>
> **Lee Fortney**
> **General Manager,**
> **INTERMET Columbus Foundry**