



Proficy Historian from GE Digital

Powerful industrial time-series data collection for on-premise and cloud-based storage & analysis

Best-in-class Historian from edge to cloud with data analysis in context

Proficy Historian from GE Digital is a best-in-class historian software solution that collects your industrial time-series data needed to analyze asset and process performance. With decades of experience and thousands of successful customer installations around the world, Proficy Historian transforms business by making data useful.

The new Proficy Historian 8.0 includes use of Proficy Operations Hub's Asset Model mapping and Trend Analysis App for centralized data analysis in context. Take advantage of simple yet powerful features to unlock new value from your equipment and process data, and business models.



Outcomes

- Achieve fast time to value with simple installation and easy-to-use web clients
- Secure-by-design data collection and storage
- Scale to hundreds of users and millions of machine data points
- Take advantage of data analysis in asset model context
- Support high availability with data redundancy
- Leverage continuous and highly scalable data read and write functionality
- Reduce storage costs
- Save time and costs with seamless ingestion to HDFS



1: Achieve data analysis in context

With Proficy Historian 8.0, users have the ability to analyze data in context via Proficy Operations Hub and the Historian Analysis run-time application, which are licensed with Proficy Historian 8.0 Standard and Enterprise. Users can tap into a powerful data management solution with asset model context and visualization, while receiving aggregation of data across multiple data sources or historians.



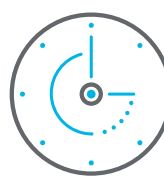
2: Improve data security

With data security as our highest priority, Proficy Historian 8.0 offers common and shared User Account Authentication (UAA). Users can choose the common UAA deployed by other products in their application such as Proficy Operations Hub or Proficy Plant Applications, or the common UAA deployed by Proficy Historian.



3: Simplification and ease of use

Proficy Historian installs in minutes and offers a small footprint, yet scales to support hundreds of users and millions of individual machine data points. Version 8.0 introduces enhanced REST APIs, offers the ability to track collector version information, and allows users to connect Proficy Historian using Java APIs.



4: Faster configuration and easy connectivity for IIoT

Connect to your machine data with an existing collector or build your own using our SDK. Any collector can be configured to send data to your local Historian or to cloud-based Predix applications. Version 8.0 also introduces a new MQTT collector that connects to a MQTT broker, subscribes to a topic, and streams data to the Proficy Historian server or Predix Time Series.

“ Proficy Historian is the heart of the [system]. This solution allows more accurate data to be implemented in real time for each machine and product.

Hervé Husson, Automation and Industrial IT (A2i) Manager, Terreal

Features

Version 8.0: License for Proficy Operations Hub Server and HTML5 Historian Analysis run-time application (free with Proficy Historian Standard or Enterprise), with features including the ability to define an asset model, tag mapping, and advanced trend analysis with annotations



Other new features include:

Excel Add-In for Proficy Operations Hub, common User Authentication and Authorization (UAA) service, APIs to track version information of collectors, Query Results API, Write Tag API, Rename Tag API, MQTT collector, and Java APIs

Additional features

Easily deployable mirrored architecture based on GE's U.S.-patented highly efficient and secure storage format

Alarms & Events database, allowing retrieval of A&E in correlation to time-series data

Intelligent system diagnostic engine and dashboard

Browser-based central administrative console and trend client

UAA/OAuth2 Java Web Token security model

Multi-threaded for high performance

Scales to millions of tags

Predix cloud and other client connectivity

Cloudera certified method to move and query data in HDFS / Hadoop to Parquet

Public REST API



Both your IT department and end users will love the ease of deployment, scalability, simplicity, and speed of getting the data and value out of Proficy Historian.

LEARN MORE