

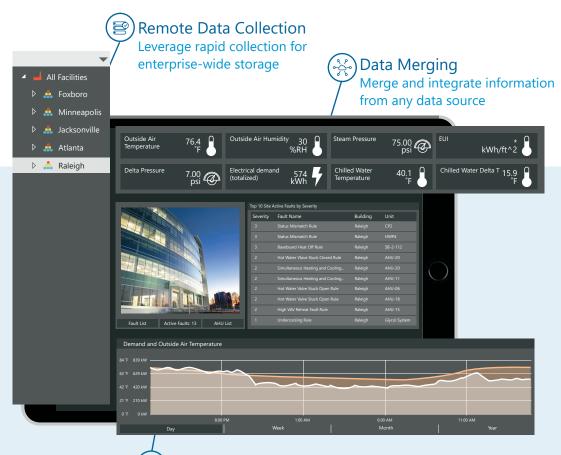
## Hyper Historian<sup>™</sup>

High Speed, Reliable, and Robust Plant Historian



### **ICONICS** Data Historian Solution

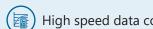
Advanced Big Data Plant Historian for Any Application



Real-time and Historical Data Replay real-time and historical data Hyper Historian™ is an advanced, 64-bit, high-speed, reliable, and robust data historian. Designed for the most mission-critical applications, Hyper Historian delivers unparalleled performance with very efficient use of resources. Combining a high compression, advanced algorithm, and designed to leverage 64-bit hardware and software architectures, Hyper Historian can access more CPU power and memory than traditional 32-bit based historians, providing the highest performance possible on all standard PC-based platforms.

Hyper Historian easily connects with all ICONICS AnalytiX® applications to provide a level of advanced data analysis.

#### Hyper Historian Key Features



High speed data collection from any PIC's, IoT devices, building equipment and more



Replay real-time, historical, and archived data



Store and forward critical data



Use insightful trends and charts for proactive decision-making



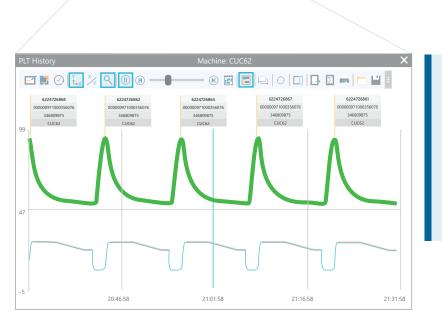
Leverage rapid collection for enterprise deployments



Export data to Azure Data Lakes, Hadoop, and other cold storage

#### Unattended Data Archiving and Backup

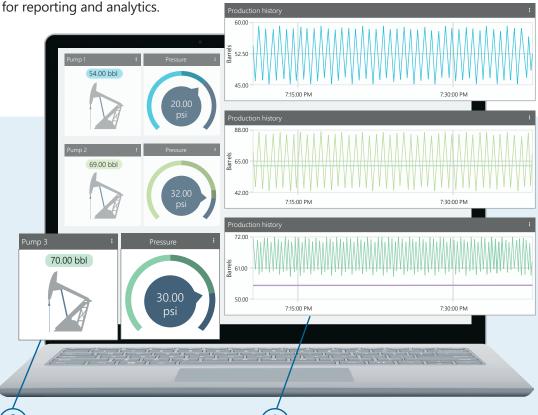
Hyper Historian uses an advanced Swinging Door data compression algorithm for high speed data collection that can reach over 250,000 data events per second on reference hardware, for all real-time, enterprise-wide information. With a unique automatic archiving feature, Hyper Historian allows for routine or triggered scheduling of data archives, freeing up disk space and backing up files for long term storage and retrieval.



Hyper Historian includes an industry standard SQL Query Engine for reporting and bulk data editing, enabling tight integration with any SQL compatible database.

#### Industry Standard Connectivity, Integration, and Performance Calculations

Hyper Historian uses advanced data integration, providing connectivity to any device via OPC DA, OPC UA, OPC HDA, OPC XML, SNMP, BACnet, or database values. Easily collect information from multiple plants, factories, and enterprise equipment. Data sources such as PLCs, I/O devices, HMI applications, and network devices can be collected and stored



**Data Archiving** 

Archive data from unattended operations

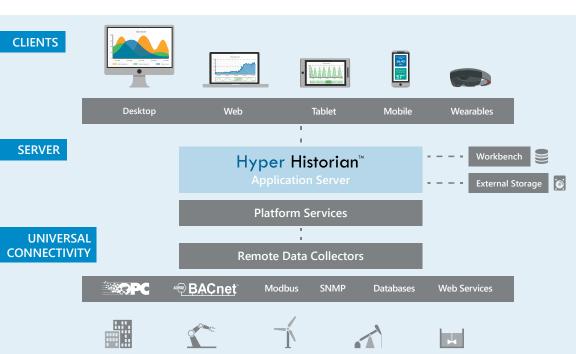
**Data Integration** 

Industry standard data connectivity

#### Designed for Demanding Applications, On-Premises or in the Cloud

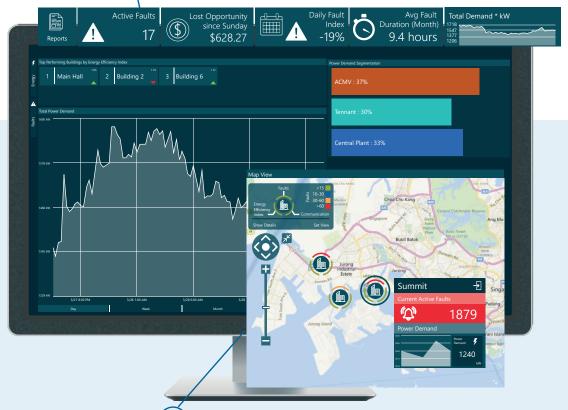
Hyper Historian includes a module for automatic or manual insertion of data, empowering users to import historical or log data from databases, other historians, or intermittently connected field devices and equipment. Leverage Hyper Historian on Microsoft Azure for maximum scalability and reliability.

Architected as a distributed, enterprise-wide historian, Hyper Historian utilizes remote collectors, which allow for historical data collection from dispersed locations. Remote collectors ascribe by ICONICS' universal connectivity capability, including integration with OPC UA, BACnet, and SNMP protocols.



Data can also be viewed in tabular formats with the ability to enter operator comments as well as manage lab data and audit trails in accordance with 21 CFR Part 11 policies.

### Performance Calculations Integrate performance calculations to deliver insightful data



Interactive 2D and 3D charts, trends, and grids
Choose from the preconfigured library of 2D and 3D charts





Diagnostics and Event Logs
Trace diagnostic data with event logs

#### **Industry Challenges and Opportunities**

Plant operations are faced with the need to perform better and to be more competitive with fewer resources. For plant-level operations, systems need to connect to dispersed sources for data collection with the ability to analyze and visualize data in real time.

ICONICS and its Hyper Historian enterprise-wide plant historian allows managers to gain a competitive advantage by organizing all data sources across their enterprise.

#### Ideal for Any Industry

For over three decades, ICONICS industrial automation software solutions have met and exceeded real customer needs in multiple industries, including:





Power, Utilities and Energy



**Building Automation** 



Shipping and Logistics



Food and Beverage



Sustainability and Renewables



Pharmaceutical



Oil, Gas, and Petrochemical



Transportation



Manufacturing



Water and wastewater



Government and Military

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