

ONESHEET



AVEVA™

## HISTORIAN

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Unlock Potential by Capturing High-Fidelity Industrial Big Data

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Historian is the first, large volume data historian to unite a high-speed data acquisition and storage system with traditional database management system. Make smarter decisions with its consolidation of disparate data sources and rapid retrieval of the increasing amount of industrial data.

## Big Data Made Easy

Advanced data storage and compression alongside industry-standard query language makes sure that you have access to process, event and alarm data. This keeps everyone informed on performance of operations. Access to this information is seamless as it can be viewed through Wonderware InTouch, Historian Client, Historian InSight, Wonderware Online, Wonderware Intelligence, Wonderware SmartGlance Mobile Reports and even Dream Report for Wonderware.

## Continuity Through Tiered Architectures

Historian guards against data loss and provides valuable summary data for system performance analysis by way of its easily tiered architectures. You may designate one tier as a data repository for backup or replicate historical data in a set of tiers.

In highly distributed environments, you can keep detailed data close to users and the source and also consolidate it centrally for simplified reporting, analysis and as a long-term system of record. In environments with bandwidth limitations, you can send subsets of the data, including selectively sending statistical summaries rather than the complete detailed data.

Historian guards against data loss using conventional workstation or server hardware and native "active-active" redundancy. Data is independently sent to each, and Historian Client automatically selects the active server.

## Historian Has It All

- **Process Improvement:** Complete and accurate history of operations provides the ability to more quickly troubleshoot and discover high value areas of improvement

- **Reporting and Analysis:** Allow more team members to gain value from your process history with comprehensive data reporting and analysis capabilities
- **All-Access:** Unify your data that may be unseen in applications, machines or by operators
- **Redundancy and Business Continuity:** Full redundancy, high availability and disaster recovery keeps your business running
- **Lower IT Cost, Faster ROI:** Accelerate your system ROI by implementing flexible, scalable options to reduce IT costs

## Faster, Easier and Less Storage Space

Historian deals with time-series data as well as alarm and event data using the innovative Wonderware "block technology." This gathers data hundreds of times faster than standard database systems using a fraction of the storage space. By combining front-end, high-speed data collection with time-series extensions to an embedded Microsoft SQL Server relational database, you can transfer optimized "history blocks" via Windows Explorer to avoid the need to purge a growing database. Additionally, Historian's built-in advanced retrieval modes make your report queries easier to build, more efficient and therein more powerful.

## Excellence Is a Purpose We Share With Our Customers

Wonderware is committed to being your long-term automation partner, backed by a world-class global network of technical support personnel, distributors, system integrators and VAR/OEMs, ready to assist you in every corner of the world.

To empower your operations, visit:

<https://sw.aveva.com/monitor-and-control/industrial-information-management/historian>