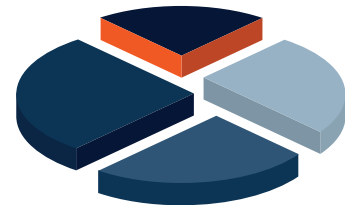# zenon Historian 360

Drive sustainability with the data historian you can trust.

zenon Historian 360 powers plant activities such as diagnostics, maintenance, energy management, and alarms. Customer-centric storage and retrieval of data is at the heart of zenon Historian 360, enabling an easier way to compliantly store and use data in industrial environments. Reliable, efficient, and with unparalleled connectivity for industrial use cases.

A POWERFUL DATA PLATFORM

Get more information out of your data. With the zenon Historian 360 you have a powerful solution to store your industrial automation data securely and sustainably. You have full control over your data and decide the logic behind its recording. For example, the dynamic swinging door compression algorithm eliminates extraneous data for optimal compression archiving performance. Capture and use metadata such as equipment modelling to abstract and contextualize your data. Then populate your reports, trends, and analytics workloads to make faster and better decisions.

▸ The most convenient way to connect to a myriad of industrial and other data sources.
▸ Maintain data compliance.
▸ Robust analytics and visualization enable you to put your data to work for you.
▸ Data contextualization capabilities make data more valuable for insights and future decision-making.

WHAT CAN THE ZENON HISTORIAN 360 DO FOR YOU?

zenon Historian 360 can be used for a variety of use cases. Monitor and log information such as network bandwidth, fluid levels, pressure levels, fan temperatures, limit switches, and valve positions in a variety of settings such as food and beverage plants, chemical plants, power plants, automobiles, pharmaceutical manufacturing, water management, and environmental control. Track whether a product is profitable, how well it works, and if there were any problems during production.

DATA DRIVES SUSTAINABILITY

Use zenon Historian 360 to drive sustainability. Capture and use process data that enables you to build robust dependability by monitoring and enhancing the performance of your assets. Understand complicated information about asset performance. Track production and other performance metrics against energy use. Optimize material use. Leverage information to drive improvement and deliver on your sustainability goals.

TRUST US WITH YOUR HISTORIAN REQUIREMENTS

In mission-critical environments, production departments require scalability, acceleration, optimization, performance, and dependability, as well as support for a wide variety of clients, applications, and infrastructure. The zenon Historian 360 combines long-term storage, acquisition, analytics, visualization, and contextualization in a safe, accelerated, and highly sustainable manner. zenon Historian 360 provides market-leading capacity and performance, a low total cost of ownership, and a strong return on investment. Our comprehensive data historian facilitates organizational information governance and data compliance. Services include data collection, preservation, transformation, and presentation.

FAST FACTS

▸ Versatile, real-time process data acquisition capabilities.
▸ Consistent process data integrity.
▸ Integrated alarm and event data acquisition capabilities under IEC 62443.
▸ Unparalleled communication capabilities in industrial environments.
▸ Use the GraphQL Interface to retrieve any data for your 3rd party applications

zenon Historian 360

The data historian you can trust.

Reliable, high-performance data acquisition	▸ An unlimited number of variables in a variety of archives. ▸ Time stamping in milliseconds (ms) throughout archives. ▸ Full network redundancy for seamless data acquisition. ▸ High performance binary data format.
Data compression and reduction	Advantages: ▸ Reduce storage capacity. ▸ Avoid getting "lost in data". ▸ Faster data transmission and processing. ▸ Data reduction mechanisms. 　– Aggregate the data in intervals and calculate MIN, MAX, AVG, SUM with the help of aggregated archives. 　– Cascade aggregated archives and aggregate the data e.g. in hours, days, weeks.
Swinging door compression algorithm	Compared to cyclical recording, the trend looks largely the same but the quantity of recorded values is significantly lower.
Alarm and event data management	▸ Unlimited recording. ▸ Local binary storage and/or export to SQL Server or zenon data storage. ▸ Export to third-party systems in different file formats.
Unparalleled capabilities for communication in industrial environments	▸ Connect disparate production landscapes and harmonize the data into a single format. ▸ More than 300 certified drivers and communication protocols enable connection to virtually any PLC, machine, or IoT device. ▸ Stable communication. ▸ Share data with third-party apps using GraphQL interface.