



zenon
by COPA-DATA

Plant Information Management: Optimizing Processes End to End

zenon provides a scalable software platform for data operations in the food & beverage industry. This includes, for example, transferring production data to IT systems (e.g. ERP, MES) and the archiving and analysis



Connect production systems to IT infrastructure

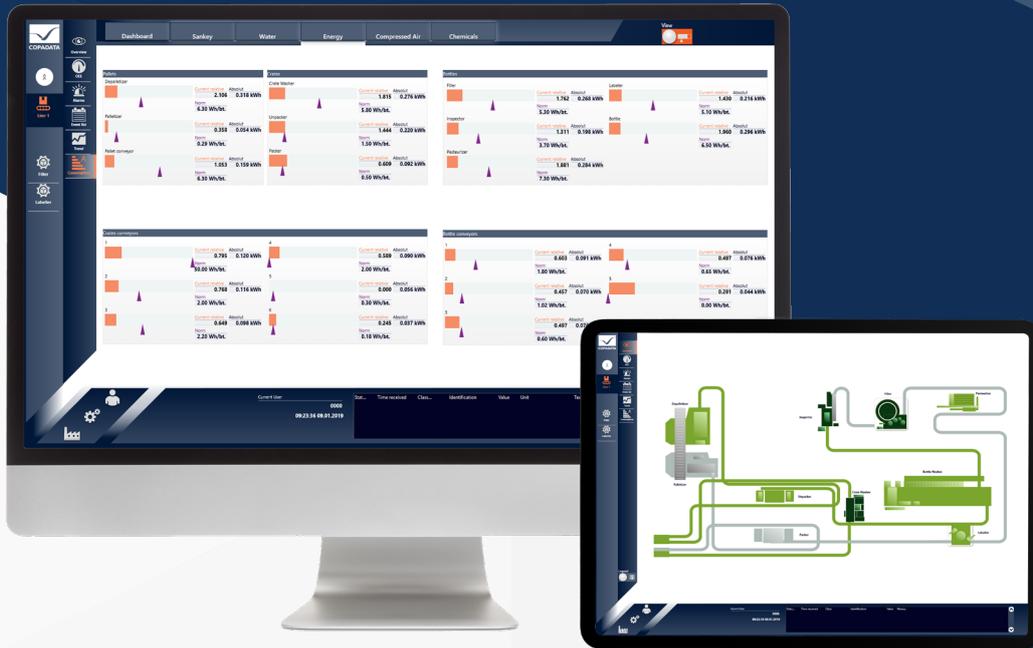
zenon provides a scalable software platform that meets virtually every challenge, including data integration, an archive server, exception handling, recipe management and reporting. With its hardware-independent implementation and seamless integration, zenon supports you in optimizing production systems.

ERP AND PRODUCTION – IT AND OT GROWING TOGETHER

In existing (brownfield) systems, there is often no uniform management of all system areas or resources, such as water or compressed air. By contrast, zenon users can connect a wide variety of device types and production areas in a single digital software platform. As a result, you benefit from a clear overview with centralized process data. The data is available immediately in digital format and can be used for a wide variety of purposes (maintenance, quality management, etc.). zenon uses native interfaces for integration with ERP systems. This allows the smooth flow of data between ERP and batch execution, process control, and process monitoring. Manual intermediate steps are no longer necessary.

END-TO-END DATA ACQUISITION AND SECURE STORAGE

zenon projects are prepared for large amounts of data and provide high-performance processing. Data from all areas of a facility are acquired efficiently and stored centrally. The archive server, zenon Historian, is fully integrated in the software system. Its performance is enhanced by an automatically configurable compressed archive. And zenon also supports you when outsourcing data or collaborating across locations, for example, with the simple connection to the cloud services of your choice.



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A STANDARD LANGUAGE

zenon can also help you solve the challenge of too many different data formats: our solution enables you to carry out data standardization. Equipment data can be standardized in terms of units of measurement, data types, etc. as well as in terms of machine states and machine data sets (e.g. according to OMAC PackML, Weihenstephan standards, etc.). Data from different production areas can be easily linked and contextualized. Other systems can also benefit from the standardized, centralized data that zenon makes available.

FULL OVERVIEW AND COMPREHENSIVE ANALYTICS

Keeping track of a sprawling production facility and all of its data can be very difficult, but not with zenon. zenon gives you special flexibility when visualizing information and customizing languages, units of measurement, and colors. In this way, each project can be adapted to various user needs in detail during operation. zenon Worldview gives you an overview of the entire system while also providing detailed information when you adjust the zoom level. State-of-the-art dashboards provide real-time information on all relevant KPIs. These can be analyzed comprehensively. Reports supplied include Overall Equipment Effectiveness (OEE), con-

sumption analysis, alarm evaluation, efficiency reports, and many more. Create individual reports quickly and easily and integrate company-specific KPIs or other information to meet your needs.

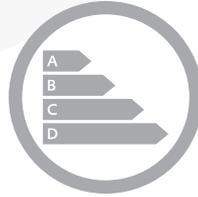
REAL-TIME ALARMS

zenon monitors relevant actual values (e.g. sterilization temperature) and generates a specific alarm, if necessary. With individually created alarms that occur when a value changes improperly, you are always on top of events. For full traceability, any deviation is recorded and a predefined group of people will be informed immediately. You can also receive notifications on your mobile device. An easily generated exception report facilitates, for example, the batch verification process. This shortens the release time and significantly reduces the number of rejects.

OUR SOLUTIONS FOR THE
FOOD & BEVERAGE INDUSTRY:



PROCESS
AUTOMATION



ENERGY DATA
MANAGEMENT



LINE
MANAGEMENT



QUALITY
MANAGEMENT



UTILITY SYSTEM
MANAGEMENT



BUILDING
AUTOMATION



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