HIGHLIGHTS

Welcoming the future in the Food & Beverage industry

zenon 12

True industry transformation is evident and there is a paradigm shift in manufacturing occurring: changing organizations, the creation of new roles, and developing new sustainability competences. Innovation and digitalization enabled by the zenon software platform can help the Food & Beverage Industry to achieve its net zero ambitions. With the new version of zenon, we feel privileged to partner with these sustainability makers in their transformation journeys.

New sense of freedom in digitalization architectures

External Information Model for OPC UA

zenon can now use information models (UA Nodeset files) for OPC UA

▶ OPC UA Server: Support for external information model
Improved data structuring possibilities. Benefit from standards-based information models.

▶ OPC UA Driver (Client): Support for importing external information models.
Enabling offline tag browsing for OPC UA client implementation.

Process Gateways

New zenon functions and mechanisms for Starting/Ending/Restarting Process Gateways

▶ Enhanced behaviour regarding "Start automatically" property
Increased gateway service availability.

▶ New "Process Gateway action" functions
Full operational control from the application.

SAP Interface

▶ zenon's SAP interface now uses the SAP Netweaver interface
Benefit from compatibility with the latest SAP versions.
Exchange production data with the ERP layer to improve your workflows.

zenon on Linux

zenon Service Engine for Linux

▶ Data Acquisition (selected drivers)
▶ Alarms and Events
▶ Data Archiving (Edge Historian)
▶ Data Processing (zenon Logic Service)
▶ Data Exchange (OPC UA Process Gateway: Variable read/write, Secure communication, OPC-UA client authentication using certificates)
▶ zenon IIoT Services Integration (Device Management, Web Engine, Data Storage, API Service)
▶ Visualisation via Web Engine
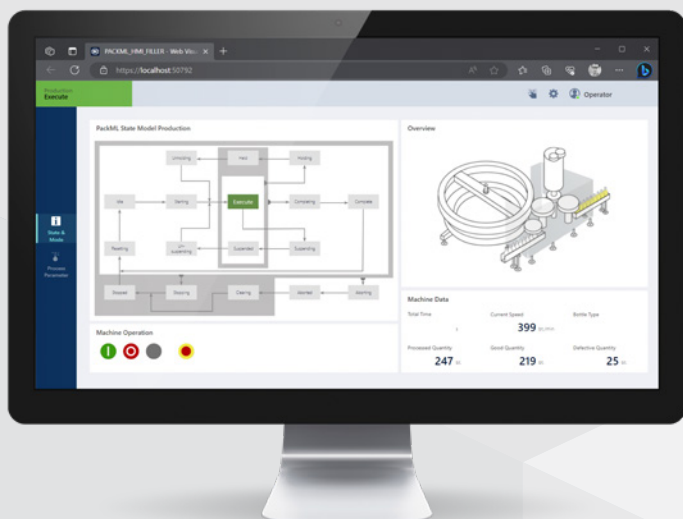For platform-agnostic data acquisition and data processing.

Continuous enhancement of user experience

Report Engine

▶ Status value evaluation
Empower users to include data quality in reporting.

Web Visualization Service (WVS)

▶ Support for Equipment model (EQM) screen
▶ Support for Recipegroup Manager (RGM) screen
▶ Support for additional screen elements and properties
A wide range of solutions can be realized via a web frontend. Benefit from enhanced mobility and a hardware-agnostic approach.

Extended Trend

▶ Extended styles for axis and curves

▶ Multi-select and multi-edit of trend curves

Benefit from increased efficiency during configuration. Setting up the appearance of curves in a trend is now even easier.

Process Recorder

▶ Adjustable playback speed

Review processes faster or slower to effectively understand every historical event.

Mature engineering of modular solutions

Smart Objects

Enhanced functionalities and handling of Smart Objects

▶ Access protection for Smart Object Templates

Protect your tested/validated components against modification.

▶ Flexible Logic Project Mapping

Flexible allocation of physical and virtual target platforms (61131-3 runtime) to host PLC code.

▶ Use of WPF elements in Smart Objects

Enhanced graphical and functional possibilities with Smart Objects.

▶ Smart Object API

Extending the support of automated Smart Object engineering.

Module Type Package (MTP)

▶ Support of latest standards versions, Part 1 to 5.1

▶ Support for Addins in MTP-Studio

▶ Updated design of the MTP template project

Easily create your POL with increased flexibility and compatibility.

Engineering experience

▶ Drivers in zenon now available for XML Export and Import via GUI

Fast and reliable solution lifecycle management.

▶ Warnings in output window have jump targets

Enhanced engineering efficiency through cross-navigation from validation messages