HIGHLIGHTS

Powering the future of energy in 2024

zenon 14

Managing fluctuating system dynamics is challenging and resource-intensive, requiring expertise to integrate volatile energy sources and ensure grid stability. zenon offers a comprehensive solution for handling unpredictable dynamics, combining situational awareness, ergonomic operation, efficient engineering, secure connectivity, and robustness – empowering users to shape future-proof energy system convergence.

Improved safety, efficiency, situational awareness, and ergonomic operation

Ergonomic operation – general improvements

- Automatic chronological sorting of new alarms in the alarm list (AML)
- Direct online filtering in alarm and event message lists

Extended Trend Manager

- Improved dialog for selection of archives values
- Enhanced configuration options for file-based export for displayed trend data

zenon GIS Control

- Improved graphical performance in the Service Engine

Automatic Line Coloring

- Extension of ALC sources configuration

Ground Fault Detection

- Improved ground fault detection, due to known behaviour of the respective equipment (ground fault detectors)

Web Visualization Service (WVS)

Extended Command Processing support

- Two-Stage operation ("Select-before-operate")
- Additional command types supported

Extended screen support

- zenon World View
- Faceplates (selected screen types)
- Equipment Model screen: "Search for equipment" function
- Multiple opening of frames

Turn your concepts into robust solutions with efficient engineering

Integrated Process Gateway configuration

- Import of legacy (external) Process Gateway configurations

Single Line Diagrams – Creation of Detailed Views

- Graphical identification of main ALC elements vs. alias elements

Smart Objects

▶ Support of Distributed Engineering (Multi-User engineering)
▶ Variable Mapping: Use of wildcards (*.*)
▶ Apply/Update mapping to all Smart Object instances

Connectivity updates

MODBUS_ENERGY driver

▶ Optimized block reading

DNP3 Outstation (Process Gateway)

▶ Configurable deadbands for analog input events
▶ Improved support for dynamic IP addressing for DNP3 Masters
▶ CSV Export/Import of point configuration

Process Gateways, general

▶ Watchdog and status variable

Enhancing monitoring possibilities in mission critical applications

SNMP Gateway supports SNMPv3

▶ Secure communication

Flexible process automation, control and data processing with zenon Logic

Extended Unicode character set (UTF8) support in the Logic Studio

▶ Unicode characters for symbol names of variables
▶ String literals in the PLC code can contain Unicode characters

More flexibility for coding in modern automation and IoT environments

Enhanced JSON FB library

▶ Parsing and editing of JSON files

"TimingStatistics" function block

▶ Monitoring runtime determinism of the Logic Engine

stratonNG: Support for WSTRING via the stratonNG driver

▶ Up to 32,000 characters via WSTRING type datapoint

stratonNG: Secure TLS communication

▶ TLS with mutual authentication

Supported on Windows and Linux