HIGHLIGHTS

Powering the future of energy

zenon 12

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

Process Recorder
Process Recorder streamlines incident investigation with precise analysis. Variable playback speeds have been implemented for faster navigation through the recordings.

Web Visualization
Enhance efficiency and flexibility with Web Visualization Service extensions.
- Access and control processes anytime, anywhere with platform independence and mobile compatibility.
- Optimizing web visualization efficiency with flexible deployment options.

Report Engine
Report Engine provides actionable insights for optimizing processes and driving business success. Detailed evaluation possibilities, based on the status information of process datapoints have been added.

Efficient engineering and modular solutions improve energy efficiency and reduce costs

Process Gateways
Advanced API simplifies workflow when creating and deleting process gateways and supports all gateway types.

Enhancing flexibility
Edit **Extended Trend extensions** with curve configurations through multiselect.
Improve **project validation** efficiency and accuracy with consistent cross-navigation and instant message access.

Fast configuration of ALC mimics and detailed views
Improve workflow efficiency with easier element selection, referencing, and grid accessibility.

Smart Object engineering
- Secure access for Smart Object Templates.
- Utilize advanced flexible logic project mapping solution for efficient platform allocation and ideal PLC code hosting (61131-3 runtime).
- Revolutionize Smart Objects with seamless WPF integration for immersive, interactive experiences.
- Integrate and customize applications with Smart Object properties and mapping rules using our powerful API.

New SNMP Process Gateway
Next-generation gateway offers advanced functionality for seamless connectivity.
- Improve performance with netsnmp library and object identifier 22050 for **platform independence and alignment.**
- **Support of SNMPv3** including encryption and authentication.
- Functional enhancements include multi-project support, variable change traps, CEL, AML events, and seamless network management and operations.

Process Gateways
Streamline operations and boost service availability with Process Gateways.
- Maximizing service availability through improved "Start Automatically" behavior.
- Revolutionize your operational control with the new "Process Gateway Action" function.

Empowering the energy industry with reliable, protected connections for a connected future

Connectivity

▸ Enhancing user experience and satisfaction with driver development.

▸ Enhance communication with configurable login credentials in **3S Codesys.**

▸ Connect and control IoT devices with Windows' Logic Service-powered **MQTT Client.**

▸ Enhance connectivity and data handling with **WSTRING variables** supporting up to 32,000 characters.

▸ Maximize **Siemens A8000 RTU** potential with IEC 60870 driver, ensuring redundancy and excellent operation.

▸ Improve monitoring with advanced polling configuration **for SNMP driver.**

▸ **OPC UA Server** supports external data models for efficient communication.

▸ **MODBUS_ENERGY** revolutionizes energy monitoring with channel bundling and commercial device support.

Robust and future-proof software technology via Linux: towards platform-agnostic energy automation

▸ The Linux Service Engine's primary focus lies within its exceptional component for data acquisition and data storage, ensuring unparalleled compatibility between Windows and Linux-based components.

zenon drivers for Version 12 include but are not limited to:

▸ MODBUS_ENERGY
▸ SNMPNG32
▸ MBUS32
▸ stratonNG
▸ SAMPLE32
▸ 3S_V3
▸ BACnetNG
▸ BeckhNG
▸ GenericNet
▸ LOGIX_ODVA
▸ MELSECA (TCP based only)
▸ OmronEIP
▸ OPCUA32
▸ S5TCP32
▸ S7TCP32

Process Gateway version 12

Access OPC UA support: variable read/write, secure communication, OPC-UA client authentication using certificates.