

zenon® from COPA-DATA is an industrial control software platform that combines HMI, SCADA, dynamic production reporting, and soft PLC systems. As an integrated solution, zenon connects machines, plants, and buildings, which allows users to easily control, monitor, and analyze processes and data, as well as integrate with other systems. With over 300 built-in drivers supporting multiple communication protocols including industry-specific protocols, zenon supports energy management, line management, reporting, machine management, cloud integration, and many other features.

Features

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|----------------------------------|--------------------------------|--------------------------|
| • Process recorder | • Simulation | • OPC- client and server |
| • Wizards | • Smart objects | • Historian |
| • Energy Management | • Circular Redundancy | • Integration to ERP |
| • ISA-88 compliant Batch Control | • Report engine with templates | • API interface |
| | | • Message control |
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Process recorder – with live replay

Runtime activity can be played back for detailed analysis

Wizards to simplify project engineering

Projects can be created quickly and easily using configurable wizards

Energy management

Built in monitoring to track and optimize plant energy usage

Web and HTML5 support

Users can easily and securely access the zenon interface from mobile devices

Smart objects - object oriented engineering

Fully functional reusable projects created in zenon that can be remapped and imported into other projects

Circular Redundancy – reduced hardware requirement

Eliminates hardware and software expense of secondary server requirement in primary standby / configuration

Overall equipment effectiveness (OEE)

Real-time data access allows for easy calculation of overall equipment effectiveness

API interface

Allows users to write their own code within zenon

ISA-88 compliant Batch Control

Batches and recipes can be created and executed straight from the zenon runtime

OPC - client and server

Communicate spontaneously with one or more OPC UA servers and supports Data Access

Integration to ERP

Connects with enterprise resource planning systems such as SAP

Historian

Integrated historian is easily configurable, merged with real-time data and easily exportable

Report engine with templates

Built-in templates save time when developing reports

Message control - Phone, Email, SMS (2 way)

Messages and alarms can be sent out-bound via email, phone or SMS. Users can acknowledge and respond, triggering the next action

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