

The zenon philosophy [1/4]

Project configuration, technology and connectivity

zenon offers you many features that make your automation efficient and effective. Starting from the design of the software, through to network technology, simple project configuration and the diverse connection possibilities.



MODULAR SOFTWARE DESIGN

zenon can be expanded in a modular fashion and will grow with your requirements, with flexible expansions, thereby guaranteeing the security of your investment. The functionalities of all expansions are accessible via the user interface.

MODERN NETWORK TECHNOLOGY

zenon features unparalleled modern network technology with capabilities such as distributed client/server structures. This gives users options to decentralize their automation systems which, previously, they may never have thought possible

- ▶ Decentralized data recording and administration
- ▶ Remote administration for remote project configuration and remote maintenance
- ▶ Interruption-free redundancy at the click of a mouse
- ▶ Enables circular redundancy®
- ▶ Automatic distribution of project changes throughout the network

SIMPLE PROJECT CONFIGURATION

Simple project configuration by means of standardized and freely selectable parameters

- ▶ Time-saving project configuration by means of an intuitive graphical user interface
- ▶ A system with layers of visualization for a clear overview, even in complex equipment screens
- ▶ Flexible project configuration through unlimited expansion of variables
- ▶ Freely selectable wizards for support with repeated tasks

DISTRIBUTED ENGINEERING

zenon supports distributed engineering. Several people can work on a project together at the same time, either in a local network or via remote access. Functions that are currently being worked on are blocked for other users.

CONNECTIVITY

zenon offers a flexible multi-driver structure to connect varied target systems. To this end, there is a multitude of open, standardized interfaces for the exchange of data in all directions. zenon currently features over 300 communication protocols. In zenon, you simply select the required communication protocol from the zenon driver list and configure it as an easy-to-read dialog. All zenon drivers are developed and tested by COPA-DATA. They generally support the whole functionality of the hardware and thus enable unlimited access to the process.

FAST FACTS

- ▶ Modular software design
- ▶ Comprehensive network technology
- ▶ Simple project configuration
- ▶ Over 300 communication protocols
- ▶ In-house driver development at COPA-DATA

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zenon modules

- ▶ Archive server
- ▶ Extended Trend (ETM)
- ▶ Report Generator
- ▶ Recipe Group Manager
- ▶ Message Control
- ▶ Text-to-speech engine
- ▶ Process Control Engine (PCE)
- ▶ Industrial Performance Analyzer
- ▶ PLC diagnosis – simatic s7-graph
- ▶ Industrial Maintenance Manager (IMM)
- ▶ Automatic Line Coloring (ALC)
- ▶ SAP Interface
- ▶ Project simulation
- ▶ OPC DA server
- ▶ OPC UA server
- ▶ Modbus slave
- ▶ DEC slave
- ▶ SNMP server
- ▶ DNP3 slave
- ▶ SQL online
- ▶ IEC 60870 slave
- ▶ Production & Facility Scheduler (PFS)
- ▶ Energy Management System (EMS)
- ▶ zenon SQL server

zenon distributed engineering

- ▶ Teamwork
- ▶ Work on projects at the same time
- ▶ Work also possible via remote access
- ▶ Reduce project configuration time
- ▶ Increase quality and productivity
- ▶ SQL server
- ▶ Safe access – no unintended overwriting