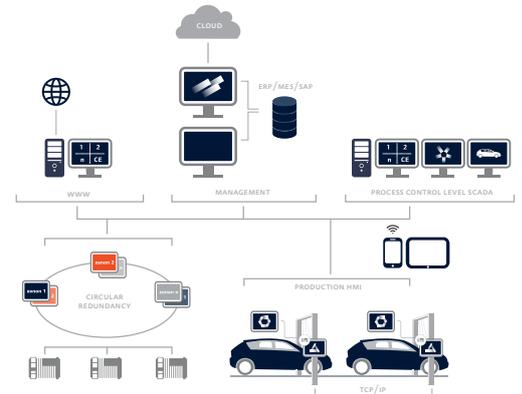


Integration in existing systems

Ergonomics in engineering [3/5]

Everybody knows zenon, it talks to everybody and knows all languages. This is roughly how the communication abilities of zenon are described. Your advantage here is: it easily integrates into any machine - irrespective of how old or from which manufacturer it may come. You can get the maximum out of your existing hardware and are completely flexible when it comes to new investments.



FREEDOM IN HARDWARE CHOICE

zenon provides over 300 communication protocols. You have the freedom to decide on the hardware with which you want to work. New machines or modules can be quickly included and easily integrated. All hardware drivers are developed at the COPA-DATA headquarters. This ensures optimal performance and guarantees full support.

STANDARDS IN COMMUNICATION

zenon supports all common standards such as OPC UA, SNMP (SNMPv3), Modbus RTU, Open Modbus, TCP, Weihenstephan WS, and more. The certified OPC UA Server, the KEMA certified IEC 61850 driver, the certified SAP ERP interface and the active cooperation in the workgroup Weihenstephan standards stand as an example of COPA-DATA's demand for high quality.

INTEGRATION IN EXISTING SYSTEMS

Standardized interfaces (ODBC/OLE DB) are used to connect easily with all common database systems, such as Oracle, MSSQL Server, DB2, Informix etc. A database interface can be configured with a few mouse clicks.

COMMUNICATION WITH EXTERNAL SYSTEMS

You can communicate via the Process Gateway with superordinate applications as desired.

COMMUNICATION WITH ERP SYSTEMS

zenon also easily communicates with ERP Systems. For example via the certified interface to SAP ERP or the integrated interface to Microsoft Dynamics.

INTEGRATION IN EXISTING NETWORK INFRASTRUCTURES

zenon's flexible network solutions make simple integration into existing infrastructures particularly easy and allow new infrastructures to be created quickly and reliably.

SCALABILITY

zenon projects are fully scalable. For example, you can start with a simple HMI application at a machine, then network various machines and equipment and complete your application with a supervisory SCADA application. This guarantees full flexibility at every project stage.

CROSS-SYSTEM REPORTING

zenon enables any existing data sources to be integrated in order to create equipment-wide analyses. For example, the analysis of consumption of material, alarms or KPIs such as OEE.

FAST FACTS

- ▶ Freedom in hardware choice
- ▶ Supported standards
- ▶ Capable of integration in existing systems
- ▶ Certified SAP ERP interface
- ▶ Fully scalable

Integration in existing systems

Ergonomics in engineering [3/5]

Flexibility	The user determines the hardware that they work with, because zenon communicates independent of hardware and manufacturer.
Backward compatibility	Backward compatibility to older zenon versions for the engineering as well as the Service Engine; also online and in the network.
Driver	Over 300 integrated communication protocols; no delay when integrating new machines and modules; further individual driver development upon request; driver development at the COPA-DATA headquarters guarantees the highest quality and full support.
Integration of external systems	Process Gateway with the following protocol modules: OPC/OPC UA Server, SQL-Online, MODBUS RTU Slave, Open MODBUS TCP, Slave DEC-TCP, DNP3, IEC 60870-101, IEC 60870-104.
Individual openness	VSTA, open programming interface, .NET Controls, ActiveX, XML interface, SQL interface, IEC 61131-3 programming tool, driver kit, VBA.
Data traffic	Spontaneous data traffic: allows for a marked reduction in the load on the communication channel.
Time stamp	Time stamping in real-time by the control system. Includes status value for precise data recording up to a millisecond.