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worldwide HMI/SCADA Solutions

do it your way

zenon
do it your way

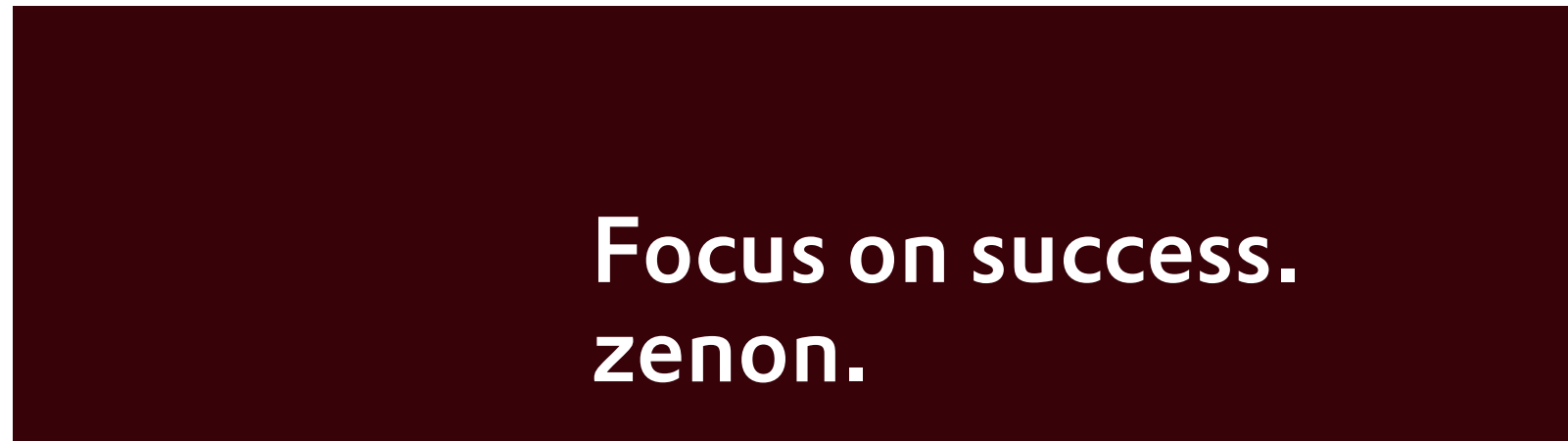**Independent control and visualization.**

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do it your way.

You think ahead, you value efficiency and you want to know and see what is happening with your investments. Your process control system? It thinks the same way – because it is called zenon.
Many companies worldwide rely on zenon's independent and flexible solution from the European software manufacturer COPA-DATA for their HMI/SCADA applications. Companies that appreciate simple and secure handling of complex processes. Companies that attach great importance to their freedom of decision. Companies that have their very own recipe for success.
Get to know what zenon can do for you and your business.

> »First, we thought that zenOn was just an ordinary piece of HMI/SCADA software. But then we tested it thoroughly, steadily increasing complexity: new modules, new hardware, new tasks. Every time, zenOn exceeded our expectations. Perfect.«
>
> *Alexander Ullmann, Lamilux GmbH*

Focus on success. zenon.

Reduce the time pressure on your projects by relying on intelligent wizards and on software that is geared towards usability. Give your engineers a HMI/SCADA system that allows them to solve even the most challenging tasks in a secure, fast and simple way – zenon.
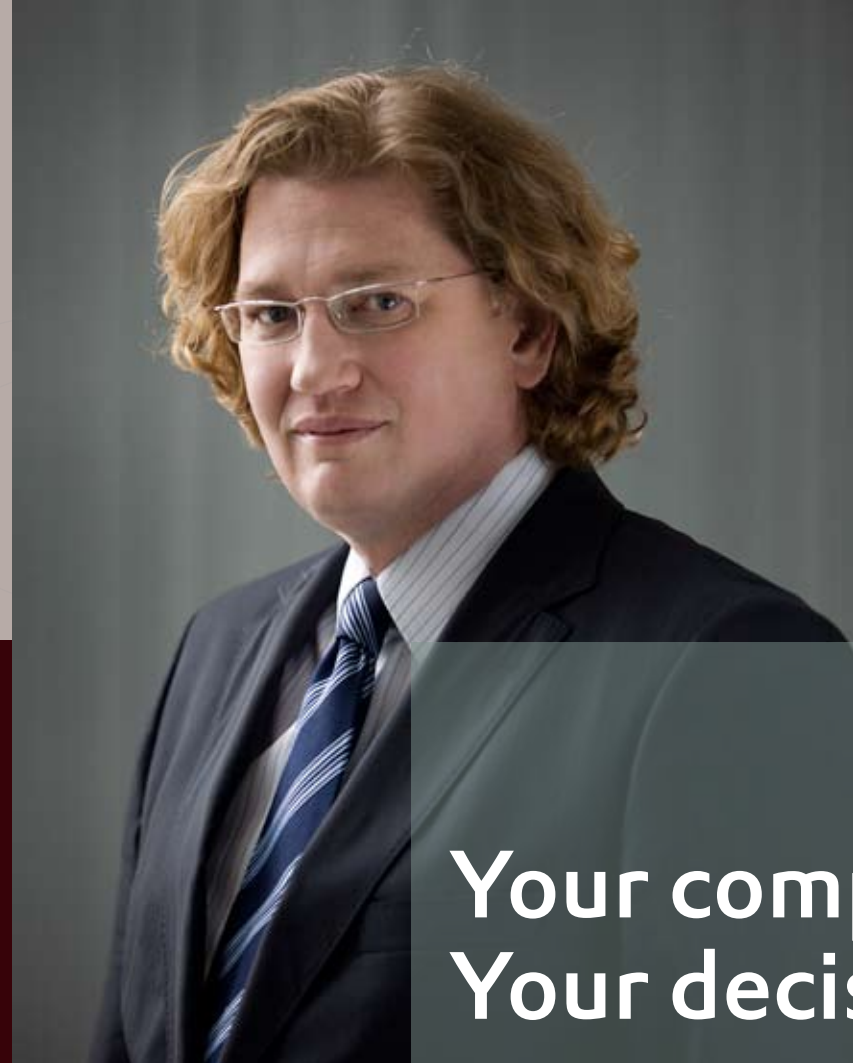
With just one software package, you will benefit from important functions for successful HMI/SCADA projects:

▶ **Automatic Engineering**
Smart wizards perform routine tasks and relieves the workload on your engineers. Free your mind for efficient solutions.

▶ **Object-oriented Parameterization**
No more tedious programming work. Parameterize objects easily and efficiently with a mouse click and reuse them again and again.

▶ **Intelligent Integration**
One central data source for a better overview, less errors and reduced costs – open to any connection.

▶ **Efficient Reuse**
Why start over every time? Reuse projects and modules with zenon's smart import and export functions.

▶ **Elegant Networking**
Create fast zenon networks – even with complex structures – with only a few mouse clicks. Local and worldwide.

▶ **International Work**
You can choose the languages you want to use for Engineering and in the Runtime. You can then simply switch between them. All text. At any time.

Do you speak zenon?
Soon you will.

Your company.
Your decision.

New software often means long and expensive training sessions, and project delays. Take a different approach now. Our usability specialists have worked hard in making zenOn more user-friendly without reducing functionality. That means: you work with a powerful tool that is easy and intuitive to use. How?

The first step is to absorb the zenon philosophy. Your engineers will not take long to understand how zenon works. They will soon be able to create complex projects within a short time. Projects that have a clear structure, a high level of reliability and low maintenance costs, and will also make work easier for operators. You will see: zenon allows you to master even the most complex functions – easily.

zenon knows perfectly how to control and visualize processes, but it is your decision which hardware you want to use. zenon connects to any hardware without problems.

The developers in the COPA-DATA labs have already tailored over 300 hardware connections. They are ready to create perfect connections for any other PLC that does not have a driver yet.

zenon makes you independent of hardware restrictions. You can use whichever components you prefer. Change to exciting new products at any time, rely on proven solutions, mix old and new technologies or expand your capacities all at once. zenon is with you each step of the way.

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Strong performance.
For every module.

You want to know how zenon improves your company's performance, efficiency and productivity? The best way is to try it out. But before that, you should know what awaits you: a modular system that grows along with your demands and can be tailored to your requirements at any time. Five keywords for your future with zenon:

▶ **universal**
The zenon Editor and Runtime work with every current 32-bit and 64-bit Windows operating system: from Windows CE and embedded XP to Server 2008 and Web. By the way, zenon was the first HMI/SCADA system to be certified for Vista. With zenon, you can master all systems with just one tool.

▶ **intuitive**
Do not program – parameterize! For fast and error-free projects. Simply zenon. Its intuitive graphical interface gives you a better overview and saves time. Just like its unlimited number of variables that allows for flexible project extensions or its distributed engineering features with a multi-user Editor.

▶ **analytic**
zenon allows you to collect and analyze messages and malfunctions according to your individual specifications. Archive process and operational data and represent them in meaningful trend displays and reports.

▶ **networked**
Remote engineering and maintenance are an integral part of zenon. Its platform-independent data collection and data management functions increase your mobility. Process data and engineering data is automatically shared and COPA-DATA's circular redundancy® delivers 100% fail-safety.

▶ **compatible**
The zenon Editor and Runtime are backward compatible over many versions. It is up to you when you want to update your computers or Runtime systems. You can save costs by updating your hardware and software step by step and at the best time.

One system.
Many industries.

Every industry has its own rules, and zenon knows them. The COPA-DATA developers have provided zenon with both industry-specific functions and universal functions for use across many different industries. Features such as speed, redundant security and simple engineering, for example, are of advantage for any industry.

Machine constructors appreciate the variety of drivers and the language switch function. The food & beverage and pharmaceutical industry profits from data recording and access regulations in strict accordance with FDA 21 CFR Part 11 – all at the click of a mouse.

Energy and water suppliers value the trend analysis functions and the secure command input. Building operators hand over routine tasks to the zenon Production & Facility Scheduler. And you?

Open integration. Seamless.

zenon likes to communicate – in every direction, securely. It integrates seamlessly into your company. You can send data from zenon to your ERP system (SAP®, for example). Or you can connect your production to your production data acquisition system. zenon supports you with a multitude of interfaces.
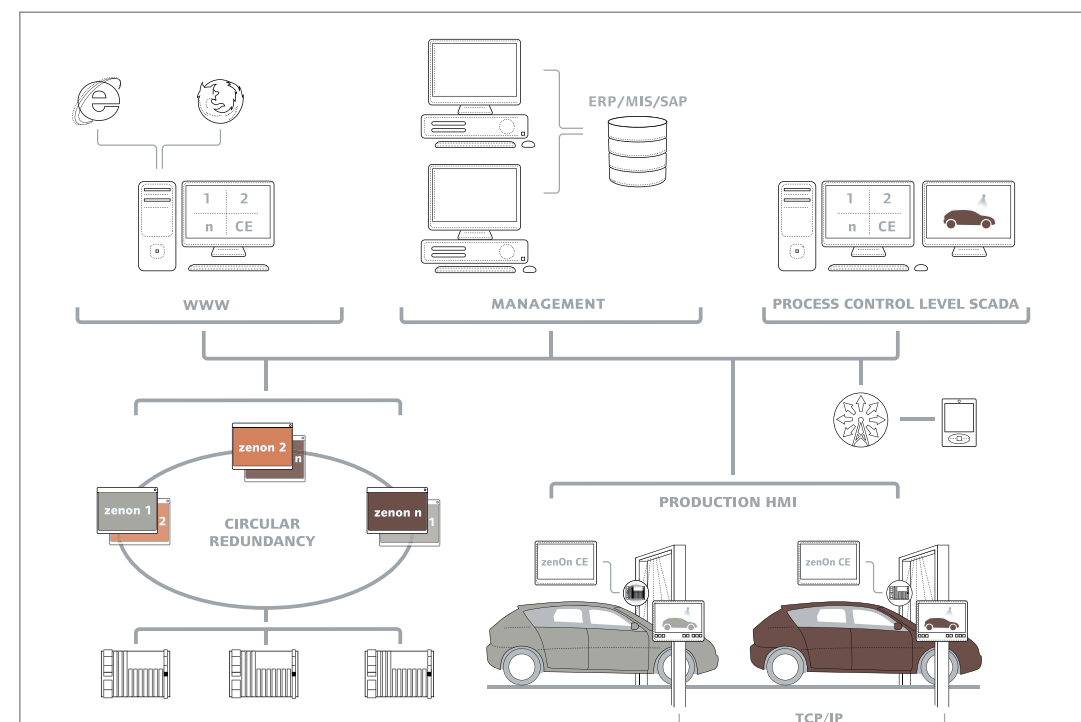
▶ **Drivers and Connections**
- Siemens S5/S7, Beckhoff, B&R, Allen Bradley
- OPC Server/Client, Modbus Master/Slave
- Bacnet, LON, EIB
- COM, ActiveX and .NET interfaces
- XML, CSV, dBase, ASCII, SQL interfaces
- Complete driver list at www.copadata.com/driver

▶ **Networks**
- Client/Server
- Multi server/Multi client
- Redundancy/Circular redundancy
- Horizontal transparency
- One-to-one Web representation

▶ **Diagnosis and Maintenance**
- Industrial Performance Analyzer
- Industrial Maintenance Manager
- PLC Diagnosis: S7-GRAPH, S7-PDIAG and straton
- Online/Offline System Diagnosis

zenOn Network. Linking all layers with a minimum of data traffic. Maintenance-free.

straton.
Your integrated PLC.

Soft PLC, hardware PLC or bus terminal controller – the IEC 61131-3 programming system straton works perfectly with zenon.
Both systems use the same database, facilitating project engineering. Data from the PLC project must be created only once and is then available for use in both systems (HMI/SCADA and PLC). The variables are always kept up to date, which significantly reduces engineering time. Not forgetting online diagnosis, easy networking of PLCs and versatile communication.
In addition to its Runtime and communication system, straton also comes with a workbench for programming in all five IEC languages: IL, ST, LD, FBD/CFC and SFC.

straton

▶ works as central main PLC and/or decentralized process control system

▶ connects any number of straton target systems in the network

▶ comes with a complete library and help system

▶ allows for connection of "C" function blocks

▶ supports all current field bus systems and protocols: Profinet, Profibus, Interbus, CANopen, DeviceNet, AS-i, Modbus, IEC 60870

▶ can be programmed with external applications (e.g. VBA)

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8

Teamwork. For you.

When you are working with zenon, you can make use of a wide range of resources and support services. The COPA-DATA support team will readily assist you with all matters regarding zenon and straton. Not only with fast answers, but also with project samples, updates, VBA samples and much more.

In the COPA-DATA forum at www.copadata.com/forums, you can get in touch with users from all industries, COPA-DATA developers and automation specialists. You can exchange experiences, discuss solutions and find answers to specific questions.

zenon.
Used worldwide.

zenon speaks many languages. That is why companies around the globe use it as a control system. Engineering in German, operation in Chinese and maintenance in English? No problem. Just as easy as zenon complies with complying with the variety of national and international standards and regulations of different industries.

zenon is as multifaceted as its range of customers from industries such as machine construction, energy supply, automotive, building automation, pharmaceutical or food & beverage. How can you profit from zenon?

Find out now: info@copadata.com