zenon in Food & Beverage

Minimize Resources, Maximize Efficiency.
Dynamic Process Solutions, Served to Your Taste.

COPA-DATA

We`ve been working with zenon for around 15 years because it is the most open system which allows the easiest configuration.

HERBERT SCHROBENHAUSER
PROCESS CONTROL ENGINEER
ADELHOLZENER ALPENQUELLEN GMBH

Take the Lead.
Enjoy the Profits.

ZENON STREAMLINES OPERATIONS, FROM PRODUCTION TO MANAGEMENT LEVEL.

Profitability is the main goal for any F&B plant. To reach it, every member of the production team needs to handle different challenges and collaborate seamlessly with the other members of the team.

The 5 key factors of profitable operations

▸ Optimized production costs

▸ High productivity

▸ Consistent quality

▸ Compliance with standards

▸ Customer satisfaction

Do these challenges sound familiar to you? Then you're close to finding the perfect solution. The zenon Product Family supports the entire production team in reaching industry-leading performance, from machine operators up to management.

Turn the page and start to find out what zenon can do for you.

Going for Top Level Performance? Go Ergonomic.

ONE SOLUTION TO UNLOCK THE POTENTIAL OF ALL YOUR OPERATIONAL AREAS.

To achieve industry-leading performance, every key area of your plant needs to be improved continuously. zenon provides you with the integrated tools to keep control of all of your operations, starting from facility and energy management, through process technology and packaging, up to outstanding connectivity to other corporate infrastructures like ERP Systems.

zenon brings you one flexible and scalable solution. Optimize your operational targets on all levels to reach the ultimate goal – industry-leading performance!
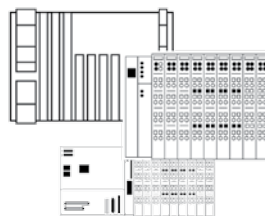

MACHINE OPERATION AND CONTROL

More safety in operation, clear and quick information, enables operators to increase machine efficiency.

PROCESS SUPERVISION FOR THE ENTIRE PLANT

From processing and packaging, to utilities, water treatment and building automation. Increase in process quality, quick reaction, complete control.

PROCESS DATA ACQUISITION

Connectivity to any kind of equipment, no data losses, tracking and tracing, compliance with standards like ISO 22000.

BATCH CONTROL

Flexibility and efficiency in production, superior quality control, easy and error-free operation.
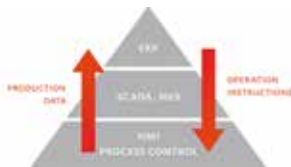

PRODUCTION/ PACKAGING LINE MANAGEMENT SYSTEM

Increase in efficiency, consumption management, top-down analysis, real-time KPIs.

OPERATING INSTRUCTION DEPLOYMENT

Plant integration and performance in interoperability; from HMI to ERP and back.

DYNAMIC PRODUCTION REPORTING

Identify potential for improvement, to minimize downtimes and optimize consumption. Ready for energy management, compliant to ISO 50001.

INVEST IN A SOLUTION WITH ZENON AND

▸ benefit from increased ROI

▸ tightly control TCO

▸ remain flexible and cost-effective

▸ reach both short term targets and long term goals

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Support Your Team's Performance. One by One.

ZENON INTEGRATES, CONNECTS AND ADVANCES ALL TEAM MEMBERS AT ALL LEVELS.

Combining market-leading quality with cost efficiency requires everyone from operational to management level to perform at the top of their game. zenon supports each team member in doing their part, enabling both individual contributions and impeccable team play.

INVOLVE MACHINE OPERATORS

In modern production plants, machine operators get more and more involved in higher-level operational tasks and actively contribute to reach the whole plant's business goals. They therefore require the right kind of information, an ergonomic and efficient workplace and a high level of integration with other team members.

zenon supports Machine Operators with

- ▸ intuitive and secure operations
- ▸ information from ERP systems available directly at HMI
- ▸ real-time information through location-independent message control
- ▸ intuitive batch control with optimum usability
- ▸ Multi-Touch HMI for ergonomic operation

SUPPORT PRODUCTION SUPERVISORS

Today's Supervisors and Managers are confronted with a wide variety of tasks. All areas of operations need to be handled at their particular level. They supervise and control equipment performance, continuously improve material and energy consumption, as well as manage quality.

To support them in the best possible way, zenon offers:

- ▸ location-independent information
- ▸ plant-wide connectivity
- ▸ information from KPIs right down to details, for a top-down approach
- ▸ Real-time and historic information and analysis, as well as reports and dashboards

INTEGRATE ADMINISTRATION, LOGISTICS AND FACILITY MANAGEMENT

The foundation for a profitable business is laid at production level, but to be 'top of the class', administration levels need to be integrated seamlessly with production.

zenon provides Administration and Purchasing with:

- ▸ HMI/SCADA level information directly in ERP Systems
- ▸ fast and concise reports from production level
- ▸ communication with operator HMIs
- ▸ optimized TCO/ROI control

GIVE CONTROL TO GENERAL MANAGEMENT

Management has to keep control of both the revenue and the cost elements of the entire company. Furthermore, strategic development and tactical moves are planned and initiated at this level.

To support Management decisions, zenon offers

- ▸ real-time and historic production reporting
- ▸ production KPIs on smartphone apps
- ▸ enhanced information transparency
- ▸ top down analysis for the required level of details

> *In over twenty-five years working as a Computer Scientist, Systems Designer and Programmer, I have never seen such a flexible, open and reliable system as zenon!*

ADAM SURY, EXECUTIVE CHAIRMAN, INFOSTER SP. Z O.O.

Keeping it Ergonomic.
Engineering with zenon.

SUPPORT AUTOMATION/ MAINTENANCE ENGINEERS

Engineers in maintenance and automation face many challenges. No matter if they work directly with a producing company, a system integrator or an original equipment manufacturer. Equipment and hardware from various suppliers need to be integrated. Safety and robust operations are essential while time pressure is relentless.

zenon helps to work through these challenges easily

▸ intuitive engineering environment - short training time

▸ easy maintenance without downtimes (hot-reload)

▸ built-in network security and redundancy

▸ adopt HMI/SCADA projects easily

▸ freedom to choose hardware components

▸ create software connections freely

▸ easy integration with existing environments

▸ integrated IEC 61131-3 programming environment

INVOLVE INFORMATION TECHNOLOGY (IT) MANAGERS

Security, redundancy, availability and integration are the main tasks of IT managers in production companies. zenon helps building the bridge from automation to IT. With COPA-DATA being a Microsoft Gold Partner and zenon taking advantage of Microsoft technologies like SQL Server 2012, Active Directory or WPF, IT Managers can enjoy the security of a system which is easy to integrate in secure and stable IT infrastructures.

zenon fits in perfectly with the IT world and offers

▸ built-in SCADA security

▸ integration with existing IT infrastructure

▸ open database connectivity

▸ reporting with built-in MS SQL 2012 Server

▸ Active Directory User Management integration

Microsoft Partner
Gold Application Development
Gold Intelligent Systems

ready for
ISO 50001
CERTIFIED

Windows 8 Compatible

Compatible with Windows®7

Microsoft®
SQL Server®2012

Industry-leading performance. World-leading technology.

INDEPENDENCY THROUGH CONNECTIVITY

- more than 300 built-in drivers and communication protocols
- standards supported: OPC UA, Weihenstephan, and others
- Batch Control compliant to ISA-88
- equipment modeling according to ISA-95
- ERP connectivity: certified SAP-interface; Microsoft Dynamics interface
- open horizontal integration with other software applications

EFFICIENCY IN ENGINEERING

- one engineering environment, ranging from PLC programming through HMI/SCADA applications up to ERP connectivity
- setting parameters instead of programming
- ready-made templates and automatic engineering through wizards
- project history and project comparison for engineering traceability
- built-in redundant network technology
- integrated IEC 61131-3 programming environment
- openness and extendibility through VSTA, VBA

HMI/SCADA FUNCTIONALITY

- alarming and CEL
- archiving and trending
- reporting
- batch control
- built-in SCADA Security
- Soft-PLC
- KPI calculation

USABILITY AND ERGONOMICS

- Multi-Touch on HMI operator-panels
- Chameleon Technology
- language and unit switch during runtime
- enhanced graphical support

ISA-88
ISA-95

There's many more to explore. Check online at:
www.copadata.com/zenon-compass

" COPA-DATA is collaborating with production units of four of the worlds' top 10 Food & Beverage producers. "

Do it Your Way.

FLEXIBLE, CUTTING-EDGE AUTOMATION SOLUTIONS BY COPA-DATA.

zenon has been the system of choice for many companies in various industries. Over 25 years and 80,000 installations prove that zenon is firmly positioned in automation, particularly in the Food & Beverage, Pharmaceutical, Energy & Infrastructure and Automotive industries.

GLOBAL PRESENCE – LOCAL SUPPORT

COPA-DATA is present in over 40 countries around the world with subsidiaries, distributors and partners providing local sales and support services.

COMPREHENSIVE AUTOMATION SOLUTIONS

In collaboration with our capable partners of the COPA-DATA Partner Community, COPA DATA offers tailor-made automation solutions.

REFERENCES

Food & Beverage:
- Adelholzener
- Handl Tyrol
- Krones
- Pago International
- Römerquelle
- Andritz
- ...

Other industries:
- BMW
- Audi
- Swarovski
- Festo AG
- Sony DADC
- ...

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One consistent Product Family from Sensor to ERP.

ZENON IS SETTING INDUSTRY STANDARDS IN ERGONOMICS.

zenon Analyzer
Dynamic Production Reporting

Platform-independent Dynamic Production Reporting tool, which processes and presents data from the process to the ERP in real time.

zenon Supervisor
Independent SCADA System

Full visualization and control of complex equipment with a connection to other systems like SAP ERP.

zenon Operator
Embedded HMI System

Specialized simple and ergonomic machine and equipment control.

zenon Logic
Integrated PLC System

zenon integrated PLC system with IEC 61131-3 programming environment.

Four products for creating top-of-the-line automation solutions. All products work seamlessly together, covering everything from sensors to ERP.

The entire Product Family is built around the zenon philosophy of providing perfect ergonomics through:

▶ integrated, native networking
▶ horizontal and vertical connectivity
▶ hardware independence
▶ automatic engineering
▶ individualization of user interfaces and interaction
▶ setting parameters instead of programming

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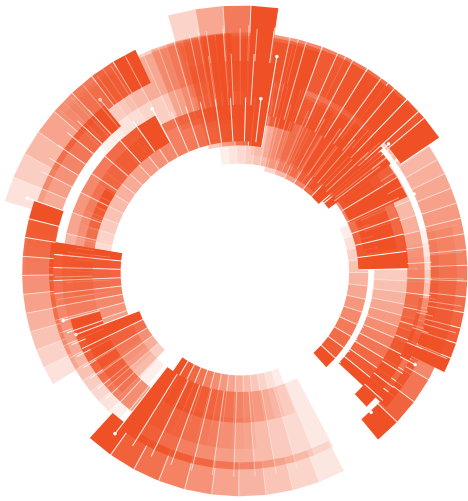
zenon

SOLUTIONS FOR THE
FOOD & BEVERAGE INDUSTRY.

" *Take the ergonomic path of
high performance and optimize
your plant with zenon.* "

do it your way

COPA-DATA Headquarters

**Ing. Punzenberger COPA-DATA GmbH
Karolingerstraße 7B, 5020 Salzburg
Austria**

**t +43 (0) 662 43 10 02-0
f +43 (0) 662 43 10 02-33**

**info@copadata.com
www.copadata.com**

**Find your regional contact at:
www.copadata.com/contact**

dynamic process solutions

COPA·DATA