



zenon
by COPA-DATA



zenon IloT Services: The next step in digital networking

Implement IloT projects more easily

Looking for help implementing your digital transformation?

zenon IIoT Services is a comprehensive functional expansion of the zenon Software Platform. You get a flexible, future-proof solution that ensures even complex architectures remain scalable and maintainable. There is a wide range of possible applications. You will be able to implement your requirements with customized Business Intelligence solutions. When integrating third-party software applications, such as cloud systems, you will be free to choose.

HIGHLIGHTS:

1. zenon as a distributed software platform
2. Industrial Internet of Things connectivity
3. Simplified development of new business sectors
4. Simple and secure connection of third-party components

*Act globally, control locally:
Compare different production
sites in real-time with zenon
IIoT Services.*





Distributed intelligence and networking – flexible, open and secure

The Industrial Internet of Things (IIoT) enables sensors, equipment, and machines to exchange data with each other and further process this data. Equipment, machine groups, and components are increasingly able to respond independently and in real-time to changing conditions and parameters. It is now less and less common to find processes running in one central system. The challenge of the digital age and globalization is to manage the resulting

flood of data. And the key is to make processes comparable across locations and countries and, ideally, to standardize them. Our customers are asking questions such as what is the capacity utilization of a specific system? Where is raw material consumption higher? And how do I automatically process the data collected in my ERP system? The answers to these questions point directly to the benefits of IIoT applications.

YOUR ZENON BENEFITS

- ▶ Security you can rely on based on state-of-the-art technology
- ▶ Rise to meet the challenges created by geographically distributed equipment
- ▶ Benefit from web-based visualizations
- ▶ Connect third-party systems via REST interfaces
- ▶ Utilize centralized data storage
- ▶ Remain flexible in terms of technology thanks to zenon's versatility and openness
- ▶ Keep a constant overview of your equipment – with detailed information on request
- ▶ Work with an end-to-end platform that allows you to intervene directly in processes
- ▶ Stay open to all options for future growth thanks to the scalability of zenon

Meet these challenges with zenon IIoT Services

CENTRAL MONITORING AND CONTROL OF DISTRIBUTED SITES

Do you want to centrally monitor and control decentralized locations – even those distributed around the world – and save resources? Operate in line with the motto: “Act globally, control locally”.

- ▶ Compare the performance of different company locations worldwide and in real-time – without a costly VPN connection
- ▶ Maintain an overview of your globally distributed equipment, including difficult to access systems such as solar or wind parks
- ▶ Make solid decisions based on customized reports using both historical or live data

POWERFUL HMI THANKS TO HTML5 – ALSO FOR MULTIPLE CLIENTS

Do you need access to your equipment from anywhere in the world?

- ▶ Use zenon IIoT Services to create individual dashboards
- ▶ Monitor alarm and event lists, trends and online data from different servers with the web engine
- ▶ Benefit from a reliable data flow – even when the connection is interrupted
- ▶ Manage your processes using the operating systems and cloud services of your choice

RELIABLY PROTECT YOUR INFRASTRUCTURE: ZENON IIOT SERVICES AS A SECURITY GATEWAY

Are you looking for a secure, powerful firewall between IT and OT networks?

- ▶ Protect your equipment against unauthorized access and damage by restricting attack vectors
- ▶ Use applications on the company network without having to connect them to individual production cells
- ▶ Support management decisions with data from OT networks
- ▶ Reduce maintenance costs for your IT department



EASILY CONNECT TO A WIDE RANGE OF THIRD-PARTY SYSTEMS

Do you want to integrate additional applications and IoT-enabled devices such as intelligent energy meters or wearables?

- ▶ Store all data in real-time centrally in the cloud
- ▶ Connect third-party components or clients such as mobile apps, MES or ERP systems using REST-based data interfaces
- ▶ Access multiple zenon projects using just one infrastructure
- ▶ Query variable values or complete reports and make them available to be processed directly in external clients
- ▶ Create customized business intelligence solutions by integrating technologies such as Microsoft Azure Analysis Services. With the assistance of third-party applications, this results in a wide variety of scenarios for the further processing and analysis of data
- ▶ Benefit from complete independence when setting up your system landscapes thanks to the unparalleled openness in terms of technology
- ▶ Place your trust in the highest security standards through the “Security by Design” development of the zenon Software Platform

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