



**zenon**  
by COPA-DATA



## About COPA-DATA

**1987**   
founded in Austria

 **100%**  
independent  
family business

 **175,000**  
installed zenon systems  
worldwide

**13**  **Subsidiaries**

**16**  **Distributors**




**4** key industries



more than   
**300** **Partners**

 **Local**  
Sales Support in  
**51** countries

### The World of Ergonomics

-  COPA-DATA Headquarters
-  COPA-DATA Subsidiaries
-  COPA-DATA Distributors

As at 02/2021

# ZENON SOFTWARE PLATFORM

zenon is a software platform that makes the engineering and automated operation of manufacturing and infrastructure equipment incredibly easy. Whether working in manufacturing or in the energy industry, zenon can help you reach and sustain your operational goals.



## COMPREHENSIVE SOFTWARE FOR MANUFACTURING AND ENERGY

zenon ensures that equipment runs reliably, flexibly and efficiently. Decision makers, engineers and operators in manufacturing companies and energy distribution are able to connect all relevant areas using this comprehensive software platform, from project creation through maintenance. This results in a notable increase in overall equipment effectiveness.

## EMPOWERING PEOPLE

Using zenon, all users – from production through to management – can create synergies and make a sustainable impact on business in a measurable and positive way.

## ENABLING THE DIGITAL TRANSFORMATION

The zenon software platform provides one integrated environment that combines data recording, machine operation, and business intelligence. This helps businesses to maintain a competitive edge throughout the digital transformation.



## New features for 2021

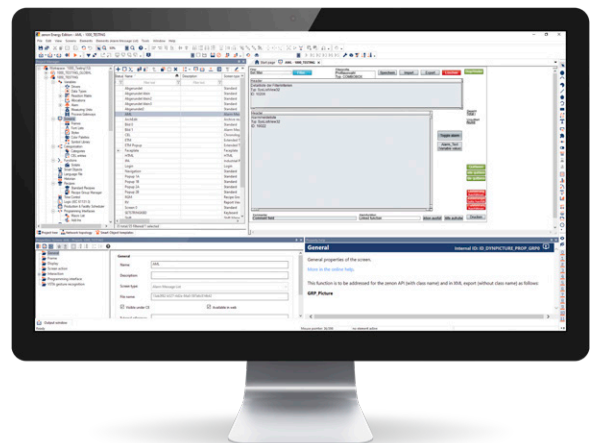
The start of 2021 marks the tenth chapter in the zenon success story at COPA-DATA. Alongside upgrades of core functionality and several new features in the new release, you'll also find upgraded connectivity – with a special focus on new drivers. In addition, the latest version of the software platform rolls out an impressive new, state-of-the-art look in its Engineering Studio.

### Fast Facts

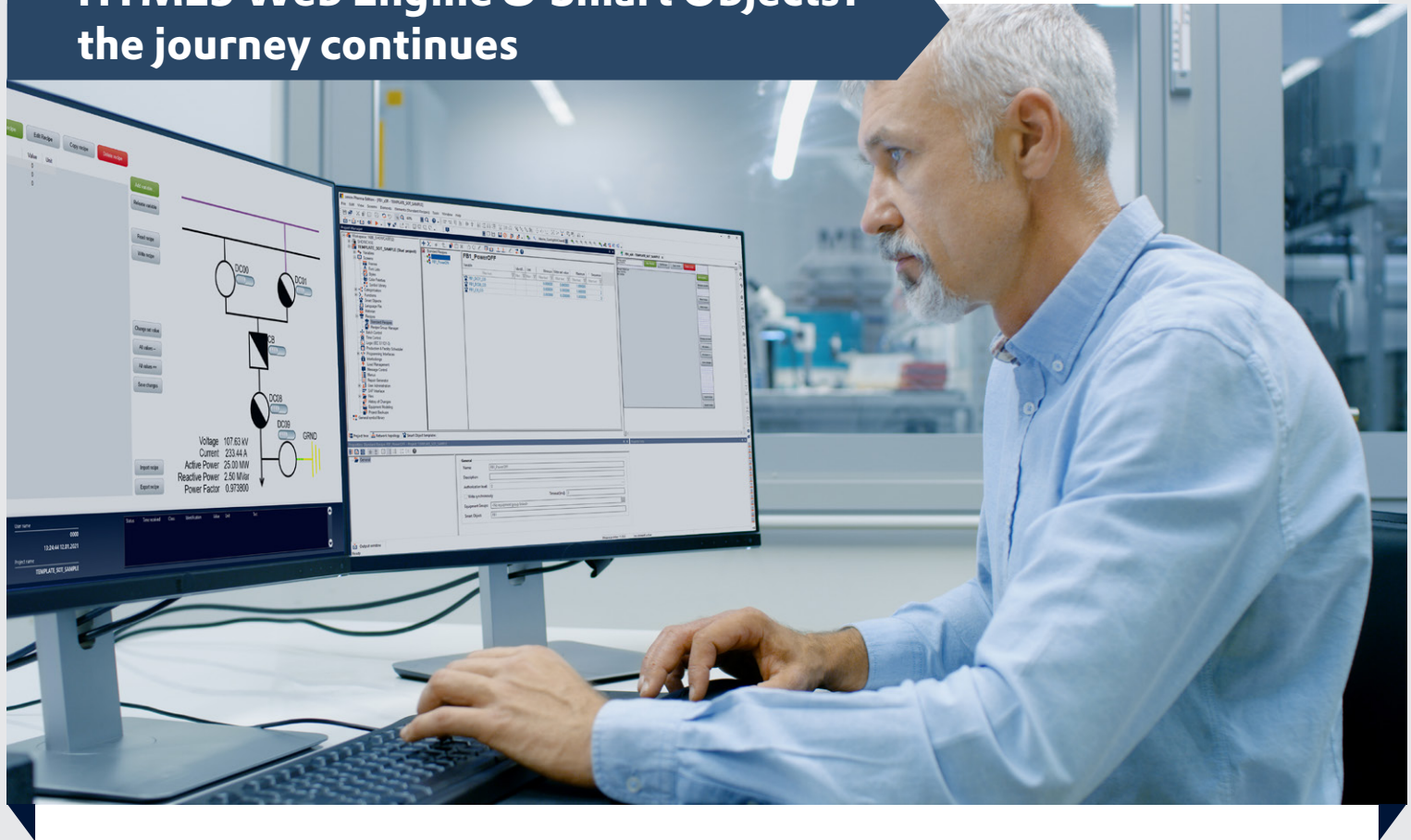
- ▶ New look & feel for zenon Engineering Studio (formerly Editor)
- ▶ Extensive upgrades to the Web Engine
- ▶ Smart Objects support recipes and recipe groups
- ▶ OCPP driver for communication with e-vehicle charging stations
- ▶ eSignature provides additional security for data logging
- ▶ Translation of reports during runtime

### zenon 10

The 2021 release provides our customers with a comprehensive software platform. The Report Engine, previously known as zenon Analyzer, is now integrated in zenon. zenon Runtime has become the Service Engine, and zenon Editor is renamed as the Engineering Studio. To present the new features in a visually consistent and attractive design, the engineering environment, including setup, has been given a completely new look and feel.



# HTML5 Web Engine & Smart Objects: the journey continues



Industrial IoT is more than a buzzword – the demands on industrial automation software are changing. Flexible access, including remotely, is a key factor for future-proof systems and processes. For this reason, the capabilities of the Web Engine have been upgraded extensively with zenon 10. Alongside support for Docker container technology, it is now possible to comment on alarms and events. Together

with performance enhancements in the Compiler and the use of Gantt charts in the Extended Trend, zenon is taking the next logical step toward web-based visualization. The development of Smart Objects launched in the previous release has also continued. With zenon 10, the reusable modules support recipes, recipe groups and import/export using XML.

## Connectivity to meet the requirements of the Future

It seems that electromobility will continue to build momentum as the mode of driving in the future. To meet the increasing demands for electromobility, zenon 10 brings an OCPP driver to market. This is used for communication with charging stations for e-vehicles. Further new features include offline configuration of the zenon Process Gateway in the Engineering Studio. A running service engine is no longer necessary; the project backup is included. The Egress

Connector to the zenon Service Grid is also new. Similar to a driver that queries variable values, this enables access to the variables of other service engines. As with every new release, a large number of existing drivers and gateways (e.g. DNP3 or IEC61850) have been upgraded and are now more dynamic.



## Ensure full data integrity with eSignature

The new eSignature feature, which is increasingly being used in the pharmaceutical industry, provides additional security in audit trails and ensures that changes to records

and initiated process steps can be tracked seamlessly, both in terms of time and personnel.






## International cooperation

To support internationalization and meet the related requirements for global cooperation, alarms and event reports can now be translated in the Report Engine (formerly zenon Analyzer). The language can be selected directly in the report, like a filter. An existing language file

in the Engineering Studio is the prerequisite. With the Smart Data Storage function, alarms and chronological events can be exported continuously and saved in SQL. This allows for reliable data consistency without any loss of content.



## Overview

<b>Highlights at a glance</b> 	<ul style="list-style-type: none"><li>▶ New look &amp; feel in zenon Engineering Studio</li><li>▶ eSignature</li><li>▶ Continuous export of alarms and events into an SQL database</li></ul>
<b>Connectivity</b> 	<ul style="list-style-type: none"><li>▶ OCPP driver</li><li>▶ Upgrade of IEC 61850 and DNP3 drivers</li><li>▶ Process Gateways are configurable offline in the Engineering Studio</li><li>▶ S7TIA: Support for TIA16</li><li>▶ AccessDNP3_SG: Various upgrades to improve the ability to use the DNP3 process gateway as a DNP3 outstation and RTU replacement</li></ul>
<b>HTML5 Web Engine</b> 	<ul style="list-style-type: none"><li>▶ Full support for global projects</li><li>▶ Support of alarm causes and comments in the AML</li><li>▶ Gantt charts in Extended Trend</li><li>▶ Docker image for the Web Engine</li></ul>
<b>Smart Objects</b> 	<ul style="list-style-type: none"><li>▶ Variable mapping</li><li>▶ Complete upgrade of Smart Object templates (Frames, Smart Object APIs)</li><li>▶ Support for recipes and recipe groups</li></ul>
<b>zenon Report Engine (formerly Analyzer)</b> 	<ul style="list-style-type: none"><li>▶ Integration in the Startup tool</li><li>▶ Translatable alarm and event reports</li></ul>

For more details about zenon 10, please refer to the release notes.

## Support & Training

### SUPPORT

In zenon there's an extensive help included. Just press F1 while using the zenon Editor or choose "Help" from the Menu. For further support please visit [www.copadata.com/support](http://www.copadata.com/support)

Here you can also find a FAQ Knowledgebase and the COPA-DATA forum.



### TRAINING

Use zenon optimally. COPA-DATA training offers essentials and tailored courses that address specific requirements, helping you become an expert.

Book your trainings at

[www.copadata.com/training](http://www.copadata.com/training)

