

# zenon 7.20

## Advance your company to a Smart Factory with ergonomics

The new version of zenon 7.20 is all about the Smart Factory. Having the right software in place is vital to enable a company to become a Smart Factory. Many of the innovations and improvements in version 7.20 will help you get another step closer towards a Smart Factory.



Having an ergonomic software in place is vital for a plant to become a Smart Factory. Ergonomics is made up of usability, quick and simple handling in the engineering, and an excellent user experience. This also means that the performance must correspond with current technologies and that smooth operations are possible. Last but not least: security against attacks from outside of the system, is becoming an increasingly important subject, also in the automation sphere. zenon 7.20 fulfills these software requirements which are needed to make up a Smart Factory. zenon 7.20 also offers further additional highlights.

### ZENON CLOUD SOLUTION

The plants of large production companies are often distributed across numerous sites and various countries. Initiatives relating to reduction of consumption, energy management, OEE and performance increases often take place in a completely isolated manner, leaving a lot of optimization potential unused. zenon 7.20 allows the data which is necessary for production optimization to be brought into the Cloud and can be used for company-wide benchmarking.

### FAST FACTS

- ▶ zenon Cloud Solution with Microsoft Azure
- ▶ zenon for a Big Data application
- ▶ Information availability – always and everywhere
- ▶ Clever engineering through ergonomics, usability and user experience
- ▶ Company-wide, cross-site energy and quality management

The integration of zenon in the Cloud platform, Microsoft Azure, makes it possible to provide all data from individual production sites of a company in just one system, in real-time.

### ZENON FOR A BIG DATA APPLICATION

Big Data applications are also possible with zenon's Cloud solution in conjunction with Microsoft Azure. But apart from the Cloud, large amounts of data can also be analyzed very efficiently in zenon. In order to meet the requirements of Big Data projects, the analysis capability of zenon 7.20 have been further optimized.

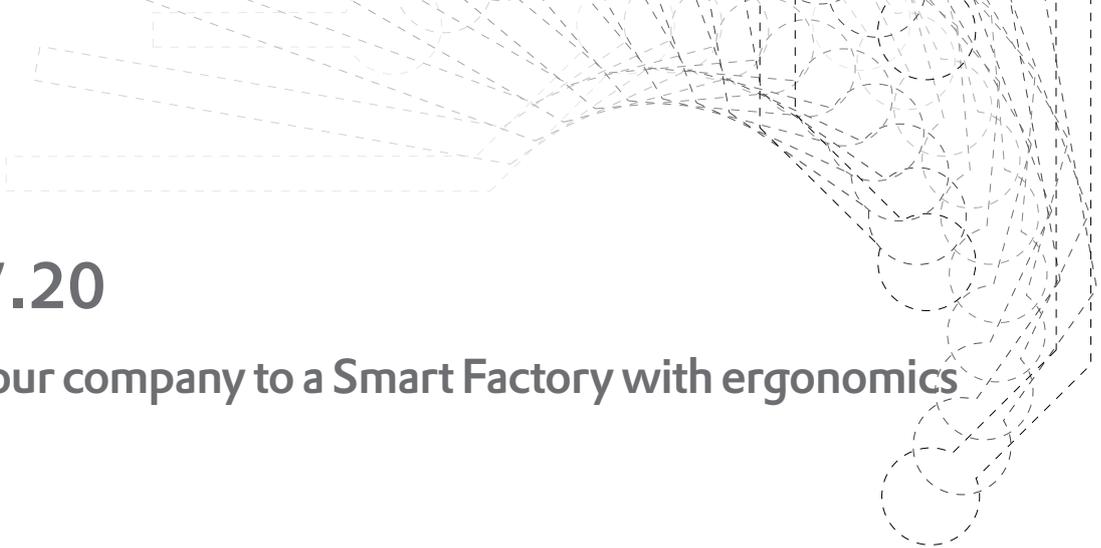
### INFORMATION AVAILABILITY – ALWAYS AND EVERYWHERE

Mobile solutions have also been fine tuned in the zenon 7.20 version. Graphical adaptations of the Everywhere App enable more user-friendly working with Smartphones and Tablets. The Everywhere App has also gained a new addition in 7.20 – the Notifier App for Android Smartphones improves and simplifies alarm acknowledgment.

A big topic in the area of mobility and data availability is HTML 5 in zenon. Here, for instance, dashboards can be simply displayed via a browser. The screen needs to be designed only once in the zenon Editor and can be directly compiled as a HTML 5 project. Therefore, only one single engineering tool is needed.

### SECURITY

Security has always been an important subject in zenon. But in order to protect against external attacks, an active effort must be made to safeguard the software and IT infrastructure. With the focus on Smart Factory and Industrie 4.0 in zenon 7.20, the subject of Security or Cyber Security is coming more and more into focus.



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<p><b>Clever engineering: Ergonomics, Usability &amp; User Experience</b></p>	<ul style="list-style-type: none"> <li>▶ Engineering steps are reduced or simplified (e.g. simpler handling of scripts, graphic exports etc.)</li> <li>▶ Graphical display in the Editor with DirectX</li> <li>▶ Upgrade to DirectX Version 11.1</li> <li>▶ Improved user administration</li> </ul>
<p><b>Enhancements and improvement in the Recipegroup Manager</b></p>	<ul style="list-style-type: none"> <li>▶ Improved recipe value table</li> <li>▶ Interlocking of parameters</li> <li>▶ Live validation of recipes</li> </ul>
<p><b>Multi-Touch</b></p>	<ul style="list-style-type: none"> <li>▶ Creating projects with Multi-Touch technology was simplified and the functionality enhanced.</li> </ul>
<p><b>Energy Management and ISO 50001</b></p>	<ul style="list-style-type: none"> <li>▶ Improved integration of zenon Analyzer in zenon</li> <li>▶ New Metering Point Administration to manage the available meters</li> <li>▶ Enhancement of the Load Management module</li> </ul>
<p><b>Command Sequencer</b></p>	<ul style="list-style-type: none"> <li>▶ New in zenon Energy Edition for arranging command sequences</li> </ul>
<p><b>Enhancement of the drivers</b></p>	<ul style="list-style-type: none"> <li>▶ IEC 60870 Slave and IEC 60870 Master</li> <li>▶ DNP3 (Security improvements)</li> <li>▶ SNMPv3 (Security improvements)</li> <li>▶ IEC 61850 (Oper.Test[CO] considered in the command input, driver configuration can be accessed via zenon API)</li> <li>▶ New functionality in regard to IEC 61850 Edition 2</li> <li>▶ S7 driver supports TIA 13 import</li> </ul>
<p><b>Enhancements of the SAP interface</b></p>	<ul style="list-style-type: none"> <li>▶ Acquisition of production data can also be triggered by SAP</li> </ul>
<p><b>zenon Logic 8.7</b></p>	<ul style="list-style-type: none"> <li>▶ Integration of zenon Logic 8.7</li> </ul>