



**zenon**  
by COPA-DATA

# zenon for Water and Waste Water Management

*zenon helps you optimize area-wide water  
supply, waste water management, and drinking  
water treatment for both cities and regions.*



# Sustainable Supply for Cities and Municipalities

*The water supply and waste water treatment for a region or a city – with its miles of pipelines, distributed sewage treatment facilities, and numerous pumping stations – can be managed more intelligently with zenon. The software platform supports you in monitoring the distribution network and helps to predict consumption peaks and maintenance requirements in advance.*

Ensuring water supply, waste water management, and drinking water treatment for a wide area is an essential service provided by cities and municipalities. With a focus on ensuring water quality, continuous supply, and sustainable consumption, zenon excels due to efficient resource management; reducing energy requirements, water consumption, and water loss.

## RELIABLE SUPPLY

Providing a continuous supply of water to residents requires distribution and flow rate to be managed with precision. zenon's trend analysis, helps to predict exceptional peaks in water consumption and avoid supply shortage. Maintenance personnel can work from a central control room as well as manage operations from any location using the web-based interface.

## FAST TROUBLESHOOT IN THE EVENT OF MALFUNCTION

The central alarm administration function notifies your employees via e-mail, SMS, or text-to-speech call in the event of a problem. In addition, zenon provides smart recommendations for action, enabling leaks to be located and repaired quickly.

## PREDICTIVE MAINTENANCE SECURES SUPPLY

The predictive analytics function identifies facility components that are at risk of failure at an early stage. Condition-based maintenance allows you to prevent unexpected problems and avoid breakdowns in the water supply and waste water networks.



## EFFICIENT MONITORING AND CONTROL OF WATER AND WASTE WATER NETWORKS

Geographical conditions often make it difficult to monitor and control the water distribution and waste water networks. zenon provides a clear graphical display of the whole network and simultaneously presents summarized information. Detail views can be provided to the level of individual facility components. Real-time data can be displayed based on individual needs and provides immediate information about the distribution network. The data can also be accessed online via the web-based interface. The various facilities can be monitored and controlled from any location – using tablets and smartphones via secure connections.

## STANDARDIZED OPERATING AND CONTROL SAVES TIME AND MONEY

Operators often use different software for each individual location. In the event that employees move from one facility to another, they must familiarize themselves with the local system to be able to operate it. zenon can help fill the gaps, as it enables standardized operating and control for transferable and efficient operation. This can reduce the time and cost of your project(s).

## ZENON FOR OLD AND NEW EQUIPMENT

Plan systems in a sustainable, intelligent way during the concept stage of new facilities. The zenon Software Platform allows you to control pumps, shut-off systems, agitators, water treatment systems, and filter systems efficiently.

Due to zenon's connectivity, there is no need to completely renovate the infrastructure of old facilities or distribution networks. zenon supports the seamless integration of existing infrastructure into a new central facility or a distribution network control system.

## COMPLETE DOCUMENTATION

Documentation based on paper checklists and reports is time-consuming and error-prone. zenon features intelligent functions for automatic, paperless documentation. Process data is recorded with a time stamp and archived in compliance with legal requirements. In addition, you can benefit from reports, lists, and trend analyses that deliver valuable operational insights.

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CD-SL-Water-and-Wastewater-Management-18-07-EN



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