

next Generation



Completely Integrated Solutions  
for the Water Industry

## SIWA<sup>CIS</sup> NET

Operating drinking water networks  
more efficiently

Your Success is Our Goal

# SIEMENS

Industrial Solutions and Services

SIWA<sup>CIS</sup> NET is a control system that supports operators of drinking water networks with ensuring supply reliability. This requires precisely defined interfaces from field level at the bottom up to management level at the top and a central HMI system.

SIWA<sup>CIS</sup> NET provides a comprehensive view of all plants and systems in the water supply network. Intelligent linking of automation, instrumentation, and control and integration of management systems provides new ways of controlling and optimizing the plants, including considerable cost-saving potential.

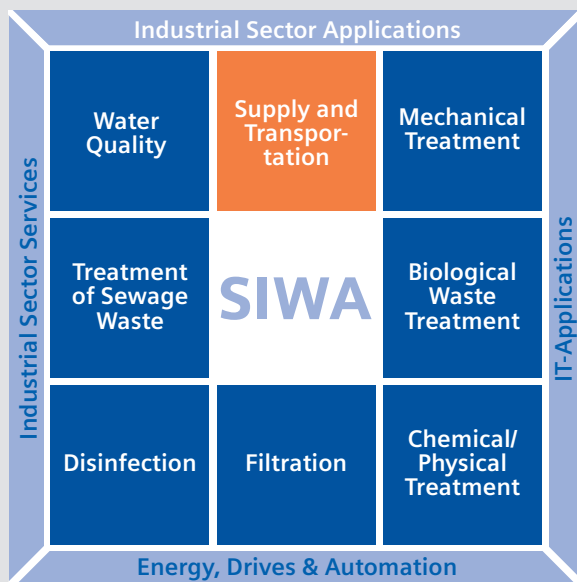
### The challenge

The reliability of drinking water supply is the decisive factor in the development of whole regions. The primary task of an automation system is therefore to ensure reliable operation of all subsystems – without in-

terface problems. That requires complete transparency of the plants and their operating states, as can only be offered by an integrated automation solution. That enables you

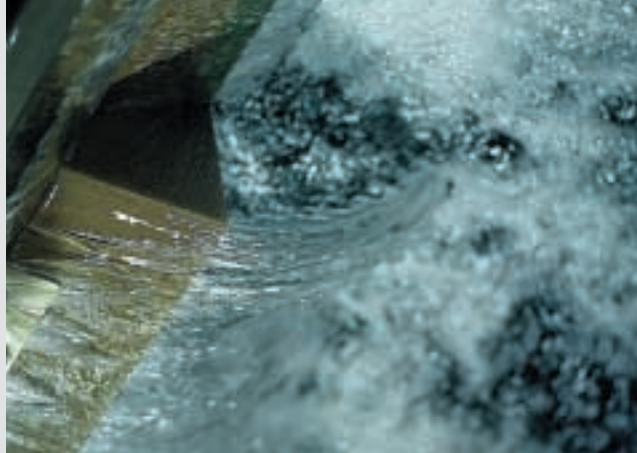
- to enhance the performance of existing plants,
- to plan new plants to meet requirements, and
- to make even more efficient use of your personnel for system control and maintenance.

With the Completely Integrated Solutions approach, we offer you tailored solutions for these challenges.



### Six good reasons for SIWA<sup>CIS</sup> NET

- Better visualization and control of all subsystems by consistent production data acquisition and evaluation
- Lasting cost reduction due to optimized operation
- Centralized operation with standardized user interface
- Standard automation concept for all subsystems
- Future-oriented system whose modular structure permits migration concepts
- Interface problems in all subsystems solved in a consistent way



## Our solution in detail

With SIWA<sup>CIS</sup> NET, all plant subsystems and components are networked intelligently with integrated automation technology and tailored control system. The system ensures transparent processes at any point in the network – making it possible for you to monitor and influence operational processes centrally. A standardized user interface offers direct access to all relevant parameters of each individual subsystem, which not only systematically permits more reliability during operation but also minimizes the risk of operator errors. SIWA<sup>CIS</sup> NET not only works completely smoothly with all equipment, instrumentation, control systems, and drive components from Siemens but can also be used in existing plants and integrated into them to form a perfect system.

### SIWA<sup>CIS</sup> NET: Lasting cost cuts

SIWA<sup>CIS</sup> NET cuts costs in two ways: On the one hand, by its standard operating concept, which makes deployment of personnel more efficient. On the other hand – and probably the more important factor – it will help you by integrating the SIWA<sup>CIS</sup> PLAN sector packages to reveal unused potential for saving in your plant operation. Using the technical and functional options of SIWA<sup>CIS</sup> NET, we examine different parameters of your subsystems and help you, for example, to make energy savings up to 10%.

### Easy to operate

One major advantage of SIWA<sup>CIS</sup> NET is its simple and logically structured operating philosophy that extends to all levels, from the central control room to the most remote outstation. The intuitively learnable SIMATIC WinCC-/PCS7 operating philosophy with its standardized layout reduces both maloperation and training requirements.

### You are better off with us

As part of the large SIWA<sup>CIS</sup> product family, extending the capabilities of SIWA<sup>CIS</sup> NET with add-on SIWA<sup>CIS</sup> modules is no problem. That way, a reliable basis for your decisions on scheduled downtimes and maintenance work, optimized operation and maintenance plans and investment is generated from the performance data provided by SIWA<sup>CIS</sup> NET. SIWA<sup>CIS</sup> NET is ideally complemented by

- SIWA<sup>CIS</sup> PLAN OPTIM for process-optimized and cost-optimized operation scheduling for all active plant components and systems
- SIWA<sup>CIS</sup> PLAN SIM for simulation of network extensions and their effects on operation
- SIWA<sup>CIS</sup> PLAN TRAIN for offline training of your personnel with realistic scenarios on a training station that precisely mimics your plant
- SIWA<sup>CIS</sup> PLAN BEP to ascertain the optimum operating point of your pumping stations
- SIWA<sup>CIS</sup> PLAN LEAK for reliable detection and location of leaks
- SIWA<sup>CIS</sup> PUMP for economic operation of the pumping stations
- SIWA<sup>CIS</sup> PIPE for efficient transport of drinking water

[www.siemens.com/water](http://www.siemens.com/water)

*SIWA<sup>CIS</sup> is a trademark of the Siemens AG  
CIS = Completely Integrated Solutions*

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## SIWA<sup>CIS</sup> – Completely Integrated Solutions for the Water Industry

As a comprehensive industry-specific solution for the water industry, our SIWA<sup>CIS</sup> product family integrates all the products and services you need for sustained maximization of your plant's performance

For each particular task, a solution has been defined that

- **horizontally** improves all production processes – from the preparation of drinking water to environment-friendly wastewater disposal
- **vertically** integrates the company's information flows end-to-end, helping corporate management to make better-founded decisions
- and **chronologically** lowers operating costs and provides lasting security and economic efficiency – for example with the SIWA<sup>CIS</sup> PLAN water management solutions and our life cycle services.

Due to this unique combination of horizontal, vertical and life cycle dimensions, our solutions all carry the genes of an exhaustive and sustained plant productivity in their very core.

**For More Productivity. More Performance. More Power. Completely Integrated Solutions from Siemens.**