



# SIEMENS

## PROCESS INSTRUMENTATION

The safe and efficient supply of water  
**is possible with Siemens digitalization.**

[usa.siemens.com/water](https://usa.siemens.com/water)

### **Partner with Siemens to uncover your digital roadmap.**

Water is the most important resource for life. Providing a continuous flow of clean water requires increased availability, greater resiliency, and greater security of supply with maximum efficiency. However, tight budgets, an aging infrastructure and a growing population present a challenge to providing clean water to everyone. Water and wastewater facilities must change the way they operate to prepare for the future. Siemens will partner with you to outline a digital roadmap to achieve your goals and deliver the next level of productivity.

### **Prepare for increased supply needs with digital solutions.**

In order to meet the growing demands of growing urban populations, larger water treatment facilities are needed. Siemens provides customers with scalable solutions from the field level to the control level with an extensive portfolio of field instrumentation, industrial communications equipment and industrial automation solutions. Whether you are establishing a new plant or expanding a current site, Siemens advanced engineering tool COMOS enables faster commissioning times as a result of greater efficiency in data management throughout the engineering process.



*SIWA Optim App puts increased cost efficiency and a secure supply in the palm of your hand."*

### **Enable water resiliency through simulation.**

Natural disaster-related disruptions in the water supply poses a health risk to the public and an aging infrastructure can lead to costly losses in drinking water. As more facilities implement initiatives to prevent water service disruptions, there is a greater need to develop systems that are extremely responsive and adaptive. Solutions such as SIWA SIM provides the simulation capabilities necessary to test operations, fault states and equipment modifications prior to service disruptions in a risk-free environment. Siemens provides the products and digital know-how needed to help water and wastewater facilities achieve the level of redundancy needed in their operations.

### **Defend against water loss and cyber-attacks.**

Every drop of water is precious and securing its supply is becoming increasingly important. Water leakage cost municipalities as much as \$2.6 billion a year in the US. Siemens makes it possible to reduce leakage with the SIWA Leak app, which ensures fast and precise leak detection. Additionally, all of Siemens hardware and software is kept to the highest standards for security. Not only can Siemens help to defend against water loss, but we can also provide a secure platform to protect your data and systems against unauthorized users.

### **Maximize operational efficiency with Insights Hub.**

To get the most efficiency out of operations, operators must be able to turn real-time data into actionable insights. Insights Hub is an open IIoT (Industrial Internet of Things) cloud platform that allows the user to create apps that use operational data for predictive and prescriptive maintenance and resource optimization. You can also choose to use one of our apps designed for industry such as SIWA Optim, which calculates the optimal operating schedules and optimizes the efficiency of pump operation to reduce energy consumption and operating costs. No



*Data exchange between COMOS and SIMATIC PCS 7 is simple and error-free.*

matter where your water or wastewater facility is on the path to digitalization, we offer adaptable solutions that are able to drive your operational efficiency up and costs down now and in the future.

### **Let's build your roadmap together.**

Siemens has the technology and knowledge to help water industry customers overcome today's greatest challenges and prepare for the challenges of tomorrow. With our digitalization consultants, no challenge has to be faced alone. Partner with us today and let's build your digital roadmap together.

#### **Legal Manufacturer**

Siemens Industry, Inc.  
100 Technology Drive  
Alpharetta, GA 30005  
United States of America  
Telephone: +1 (800) 365-8766  
[usa.siemens.com/pi](http://usa.siemens.com/pi)  
Order No.: PIFL-00188-0823  
©2023, Siemens Industry, Inc.

This document contains a general description of available technical options only, and its effectiveness will be subject to specific variables including field conditions and project parameters. Siemens does not make representations, warranties, or assurances as to the accuracy or completeness of the content contained herein. Siemens reserves the right to modify the technology and product specifications in its sole discretion without advance notice.