

# Water and Waste Water Management

## Sustainable Supply for Cities and Municipalities

Ensuring water supply, waste water management, and drinking water treatment for a wide area is an essential service provided by cities and municipalities. Ensuring water quality, continuous supply and sustainable consumption is essential. Efficient resource management is required in order to reduce energy and water consumption, and prevent water loss.



zenon provides assistance in monitoring the distribution network and predicting unexpected peaks in water consumption. It can initiate measures to prevent interruptions to the water supply. The operator is able to pass on information regarding the water and sewer networks to the mobile devices of maintenance personnel. Incoming alarm messages allow maintenance personnel to quickly identify, locate, and repair any leaks.



### DRINKING WATER TREATMENT

- ▶ Control of the individual sections of the treatment facility
- ▶ Monitoring of the key steps and processes
- ▶ Analysis and reporting of water values
- ▶ Efficient, secure operation
- ▶ Remote maintenance
- ▶ Updates without interrupting the system



### SEWER SYSTEMS

- ▶ Monitoring and control of sewer systems
- ▶ Unobstructed drainage of water
- ▶ Automatic alarm messages in real time
- ▶ Maintenance and servicing of collection, pumping, shut-off, and cleaning systems
- ▶ Water level measurement



### WATER DISTRIBUTION NETWORKS

- ▶ Real-time monitoring and control
- ▶ Identification of system errors
- ▶ Efficient, secure operation
- ▶ Monitoring and control via mobile devices
- ▶ Ability to avoid peak loads
- ▶ Energy recovery



### SEWAGE TREATMENT FACILITIES

- ▶ Sequential operation of process sequences
- ▶ Alarm messages in real time
- ▶ Remote access and maintenance
- ▶ Quality assurance through customizable reports
- ▶ Building automation and operation control

By setting parameters instead of programming, zenon makes it possible to easily and intuitively implement complex projects. The open and modular software platform is easy to adapt to existing conditions. Compliance with security standards helps protect critical infrastructures.