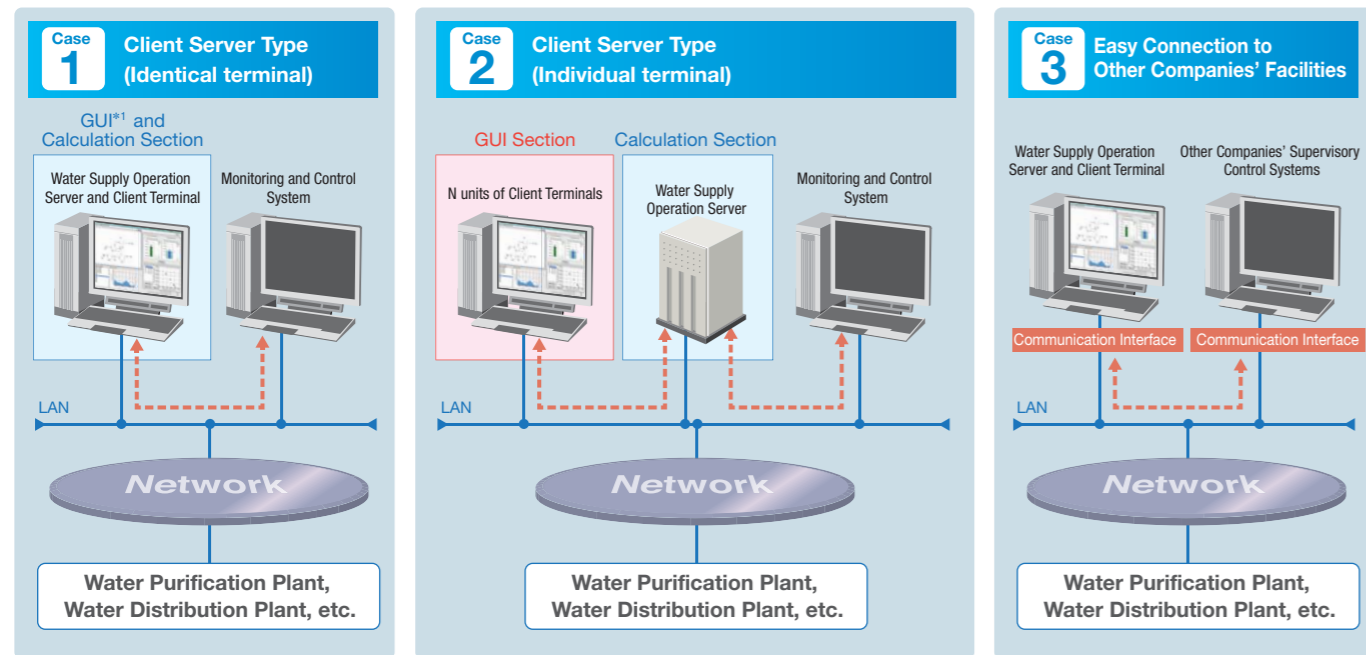


System Configuration

Flexibly applicable from the client server type to connections to other companies' facilities



*1 Graphical User Interface

System Requirements

Server Requirements Specification

No.	Item	Specification
1	Operating System	Microsoft® Windows® 7 Professional 64 bit (SP1)
2	CPU Clock	Intel® Core i7, 2.0 GHz or higher
3	Main Memory	4.0 GB or more
4	HDD Capacity	2.0 GB free space or more
5	Display Resolution	1,280×1,024 (approx. 16,700,000 colors) or more

Client Requirements Specification

No.	Item	Specification
1	Operating System	Microsoft® Windows® 7 Professional 64 bit (SP1)
2	CPU Clock	Intel® Core i7, 2.0 GHz or higher
3	Main Memory	4.0 GB or more
4	HDD Capacity	2.0 GB free space or more
5	Display Resolution	1,280×1,024 (approx. 16,700,000 colors) or more
6	Application Software	Microsoft® Office® Visio® 2010, Excel® 2010
7	Languages	English, Chinese, Japanese

* Microsoft, Office, Visio, Excel, and Windows are registered trademarks of Microsoft Corp. in U.S.A. and other countries.

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The specifications of the product described in this brochure are subject to change for improvement.
 For inquiry, contact our sales representative.

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To save energy and ensure stable water supply operation
Water Supply Operation System

**Intelligent
 Water
 Planning**



Do you suffer from these problems?

It is very time-consuming to set a daily water intake and supply plan.

It is very hard to forecast water demand.

The entire water supply plant consumes vast amount of power.



When installed, the Water Supply Operation System enables:

Stable water supply by utilizing water reservoir

Forecast of daily water demands based on temperature, weather, day of the week and other factors

Energy savings throughout the entire water supply plant from water intake to water supply



What is the ideal operation of water supply?

The ideal operation involves "Stable Water Supply" with "Energy Saving" while meeting the "Basic Requirements."

Basic Requirements

- ▶ Supplying sufficient water to meet demand while complying with water intake and receiving condition
- ▶ Maintaining operational restrictions (water supply limits, etc.) of water purification and distribution plants

Energy Saving

- ▶ Water supply by suppressing the energy consumption of water intake and conveying pumps in the water purification plant

Stable Water Supply

- ▶ Water supply using water source and water purification plants evenly and appropriately
- ▶ Around-the-clock stable water supply by absorbing the impacts of demand fluctuation

Energy Saving

Stable Water Supply

Energy Saving

Stable Water Supply

Energy Saving for Intake Pump
Stable Water Intake

Energy Saving for Water Purification
Stable Water Purification

Energy Saving for Distribution Pump
Stable Water Supply

Water Intake Plant

Water Intake Pump

Water Purification Plant

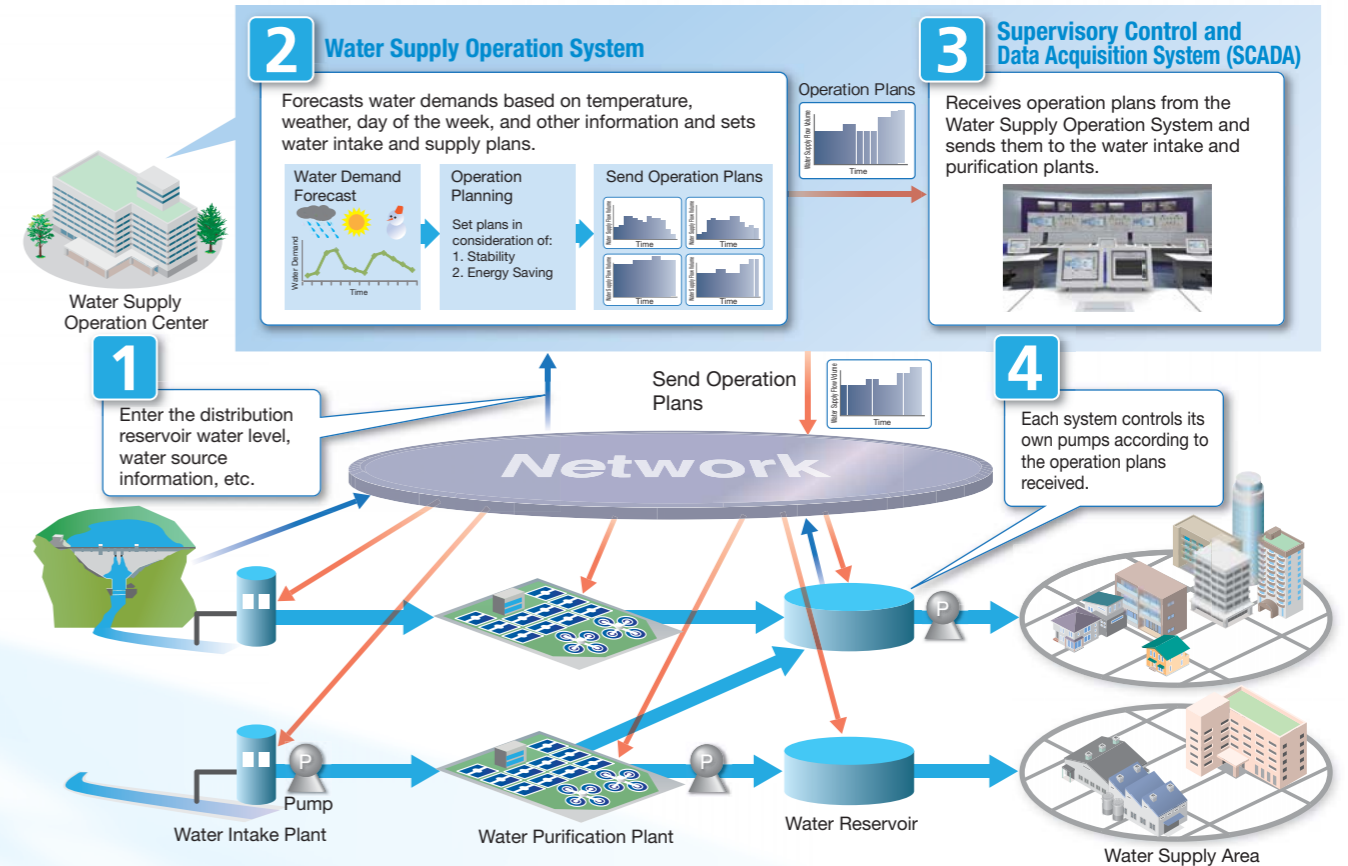
Water Reservoir

Distribution Pump

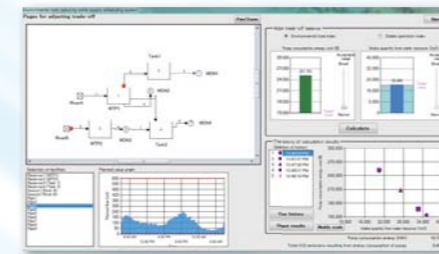
Water Supply Area

System Outline

The Water Supply Operation System forecasts water demands based on temperature, weather, day of the week and other factors. The system also sets water intake and supply plans.



Main Features



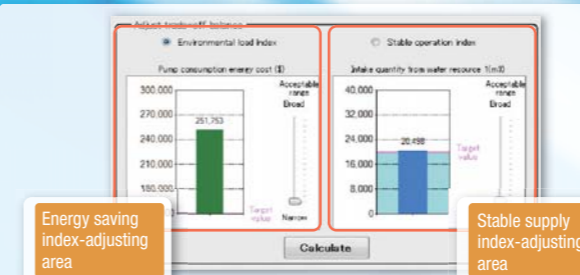
Water Demand Forecasting Function

This function can forecast and calculate daily water demand using statistical analysis of temperature, weather, day of the week, and other information entered by an operator. The parameters used for the statistical analysis calculation are automatically updated daily, enabling forecasts of secular demand change.



Planning round-the-clock Water Supply Services

Collectively sets round-the-clock water supply plans that meet operational restrictions and facility conditions for respective pumping plants and water purification plants in consideration of the overall water intake and supply balance. Operation planning know-how can also be incorporated into the system.



Supporting both Stable Water Supply and Energy Saving

Supports water supply operation plans that enable both "Stable Water Supply" and "Energy Saving" which are seemingly contradictory. An operator can set water supply operation plans capable of suppressing water intake and conveying energy consumption by evenly using water sources and water purification plants. An operator can also adjust the "Stable Water Supply" index or "Energy Saving" index to give appropriate weighting.