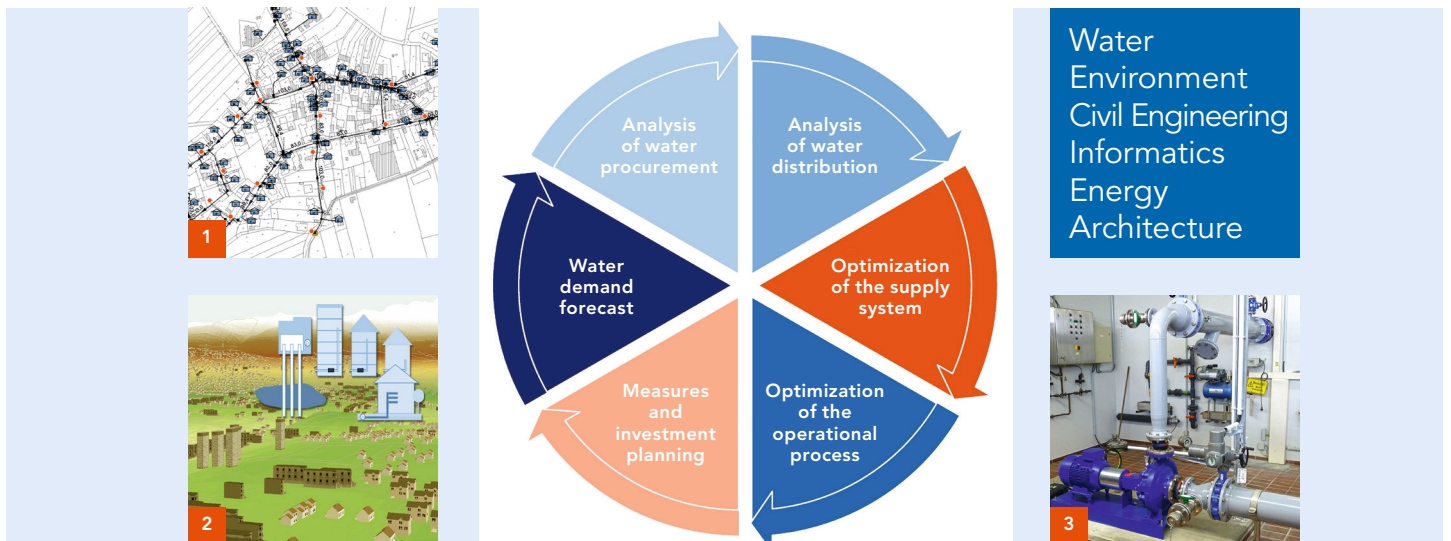


Water Supply System Design



Drinking water reaches consumers via a complex system of water conveyance pipelines and technical equipment. For the drinking water supply to function smoothly and ensure it is safeguarded over the long term, it is necessary to continually maintain, renew, and upgrade the supply network. All measures must be planned to meet the demands and be initiated in good time. The basic prerequisites for their success are water supply concepts with integrated action plans.

On the basis of water supply concepts, we investigate and compare the current and future supply situation and simultaneously take into account technical regulations as well as economic aspects. Special requirements emerge from the interplay between the decline in the average consumption of drinking water over the years and the increase in peak demand as a result of climate change.

Without higher-level planning, measures are often not implemented or they are not optimally coordinated. This can lead to investment backlog or misdirected investments and therefore to operational disturbances or unnecessarily high operating costs. Water supply concepts with integrated action plans are thus gaining

importance and are increasingly being required by the authorities.

We analyze and optimize your supply systems promptly and efficiently using the latest software and methods. We are your competent partner for all aspects of conceptual water supply.

Services

- Water demand forecasts
- Expert reports on water availability, water quality, and drinking water treatment
- Analyses of supply systems, including water-loss determinations and pipe network calculations
- Optimization of systems and operations, including economic feasibility studies for energy recovery
- Implementation planning and investment budgeting

1 Pipe network planning

2 Analyses for water procurement and distribution

3 Economic feasibility assessment and planning for energy recovery