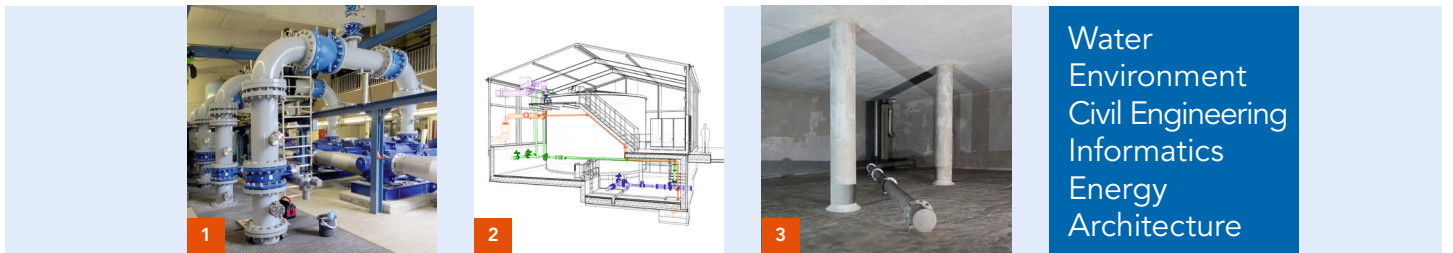


Water Distribution



An essential part of our services for the water supply sector comprise the planning and repair measures as well as the documentation of water distribution systems. These include, for example, individual structures such as booster stations, pumping stations, pressure-reducing stations, shafts, and tanks for drinking and firefighting water as well as conveyance pipes and piping networks.

Using modern software tools (CAD, information, and calculation software), we develop optimal project-specific solutions and drawing upon the potential of our other specialist departments as needed. For example, in addition to taking technical and economic evaluation criteria into account when determining the site for a facility, we can also consider aspects of environmental compatibility and landscape design in a timely manner. Moreover, by request we design the plant automation using telecontrol and process control systems.

For the layout, verification, and operational optimization of distribution systems, we provide hydraulic calculations based on a stationary or dynamic simulation approach according to the intended application. The calibration of the calculation models and water loss analyses are also part of our spectrum of services.

Our Services

- Conceptual design of distribution systems
- Variant analyses and economic efficiency calculations
- Planning of pipelines and piping networks, incl. analyses, hydraulic calculations and mixture calculations (e.g. with STANET and WINWASI)
- Structural condition analyses
- Repair of drinking water tanks, pipelines, and pipeline networks
- All services related to the planning and construction of distribution systems

- 1 **Renewal of a drinking water pumping station**
- 2 **New construction of a drinking water tank**
- 3 **Rehabilitation of a drinking water chamber**