



Implementation of telemanagement systems in water infrastructures



DESCRIPTION

The operation of hydraulic installations is defined by a number of measurable variables (flow, pressure, level, energy, etc.) that must be known in order to effect appropriate control and operation over the same.

The current state of communications technology enables the monitoring of the water and energy variables that make up a drinking water supply.



OBJECTIVES

- Design, installation and commissioning of the necessary infrastructure for the real-time monitoring and management of the high-level water system in a drinking water supply.
- Installation of remote control and telemanagement equipment.
- Installation of measuring elements in the facilities.



RESULTS / BENEFITS

- Availability of periodic information on the facility's variables.
- Creation of 24-hour alarms for any deviation in the normal operation of the system.
- Energy and economic optimization of the facility's operation.
- Reduction of water and energy consumption and emissions of greenhouse gas.



ACTIONS

- Feasibility study and selection of the most appropriate technology.
- Economic study and technical report.
- Design and analysis of the positioning of the elements that make up the monitoring and control infrastructure.
- Installation of the infrastructure's elements.
- Commissioning of the facility.
- Post-commissioning technical assistance.



Target

Public administrations, public companies and municipalities with competencies over the service.

