



Telemetry of residential drinking water meters Meter telemetry



DESCRIPTION

Current communications technology allows the readings of residential water meters to be obtained on an hourly basis, as opposed to visual readings, which are normally available quarterly.

Telemetry meters can be employed and a fixed network installed that enables the transmission of the reading to a centralized service, facilitating the monitoring and use of water consumption.

The service improves the quality of the service provided both to the customer and to the municipality, detecting leaks, preventing Non-revenue Water and developing consumption patterns.



OBJECTIVES

- Access to information on the hourly consumption of all subscribers to a drinking water supply.
- Monitoring of the readings obtained, management of potential network failures in order to obtain complete coverage.
- Management of consumption in order to create a management tool that allows for real-time knowledge of the supply's hydraulic performance, as well as the different sectors of which it is composed.



Target

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



ACTIONS

- Receiving readings.
- Monitoring the status of the fixed network with all its associated elements.
- Maintenance of the fixed automatic meter reading network.
- Management of incidents detected as a result of the daily monitoring of the fixed network.
- Management of meter stock (registrations, de-registrations and changes).
- Maintenance, replacement and withdrawal of fixed network elements.
- Alarm generation.
- Generation of fraud alarms for Municipal Council.



RESULTS / BENEFITS

- Availability of reading without access to housing.
- Elimination of estimated readings.
- Elimination of accumulations of consumption.
- Invoicing of real consumption during the period.
- Reduction of water and energy consumption and emissions of greenhouse gas.

