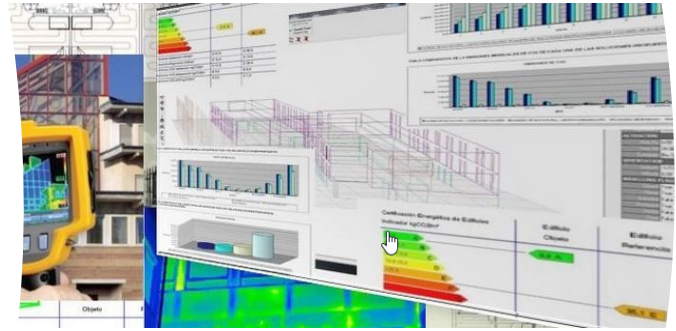




2.8.- Optimization of energy efficiency in water and water treatment facilities



DESCRIPTION

The optimum functioning of water systems requires a thorough analysis of the equipment of which they are composed, making it necessary to undertake regular energy audits and the availability of a systems that certifies their control and monitoring based on the ISO 50.001 standard.

Energy audits are based on the systematic inspection and analysis of the use and consumption of energy in a facility, site, building, system or organization in order to identify and report on energy flows and identify the potential for energy improvement.



OBJECTIVES

- Obtain greater knowledge of the facilities and processes.
- Reduce consumption and energy costs.
- Reduction of the environmental impact in terms of raw materials, CO₂, etc.
- Optimization of operation and extension of the lifespan of the facilities.
- Comply with legislation and/or voluntary obligations.



RESULTS / BENEFITS

- Economic knowledge of service status.
- Economic optimization of energy tariffs.
- Reduction of energy consumption (kWh) and carbon footprint.
- Reduction of energy cost and/or purchase of water.



ACTIONS

- Describe the process and the facilities in terms of energy aspects.
- Preparation of an inventory of the facilities and characteristics of energy-consuming equipment.
- Analyse energy usage and consumption.
- Prepare energy accounting for processes or equipment.
- Establishment of an energy baseline.
- Propose energy saving and efficiency measures (ECMs).



AIMED AT

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

