



Análisis del Potencial de Ahorro Energético en Centros de Salud [

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text (article)

Analítica

The aim of this paper is to evaluate the potential energy savings that it is possible in a health centre, derived from the optimization of its internal management and to determine the operating parameters that influence on the energy and environmental aspects, quantifying its influence on the management. Homogeneous sample of 70 health centres at Extremadura (Spain). It analyzed the functional parameters that they have greater influence in the daily management of buildings, monitoring those variables directly related to energy efficiency during a period of two years. It has been proved by mathematical techniques of sensitivity analysis, the relationship between the energy indicators and the functional parameters so to evaluate the potential energy savings, validating the results through energy audits. Results. It shows it can to save an energy of 35%, working from the design phase of the Health Center and 25% in buildings in the operational phase. It has also been shown to decrease the annual energy consumption in buildings properly managed, and power management is performed more efficiently in buildings of small dimensions. It is necessary to bet on energy and environmental efficiency as an indicator of quality of care in a health model based on quality parameters. We must involve and raise awareness among clinicians and managers on the design and building management, introducing energy efficiency indicators in management

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