

A Generic Example of an Energy Review in Conformity with ISO 50001 Standard

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Abstract

This paper presents a generic example of energy review in conformity with ISO 50001 standard related to a organization which during the analyzed time period that, in the past, was applied successive upgrades, with the consequences of some major modifications of the production, energy use and consumption. A period of time the organization has implemented the energy management system and functioned in a stable manner. This allowed its election as a representative time period for tracking present energy consumption and some relevant variables of the identified significant energy uses. The construction of this example includes that situation in the future time period, equivalent to the one in present, in which organization applies a new upgrade and estimate in this conditions the energy use and consumption. The considered example as other elements of associated energy planning included in this paper provides an approach that could be useful to those involved in the implementation of an energy system management.

References:

- [1] International Organization for Standardization, “ISO 50001:2011 Energy management systems – Requirements with guidance for use”
- [2] International Organization for Standardization, “ISO 50004:2014 Energy management systems – Guidance for the implementation, maintenance and improvement of an energy management system”
- [3] Leonida Brindus Stanoiu “Metoda pentru determinarea nivelurilor de referinta privind utilizarea energiei si intensitatea energetica” , Revista SRAC
- [4] math.ubbcluj.ro T.Grosan, Regresii liniare