

IMPLEMENTING ENERGY MANAGEMENT SYSTEMS BASED ON ISO 50001 FOR IMPROVING THE ENERGY EFFICIENCY OF INDUSTRIAL ENTERPRISES

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The article is devoted to the development of the mechanisms of implementation of energy management systems in industrial enterprises (on the example of PJSC "NKMZ"). The purpose of the presented research is to explore the potential of international energy management standards to increase competitiveness of industrial enterprises. Achieving real energy efficiency improvement of enterprises should be based not only on technical solutions, but also on a more modern management. The article pointed out that energy management is a tool, which can provide industrial enterprises with cost savings at the expense of the energy policy on the use of energy resources.

The energy management systems is worked out and inculcated in accordance with an international standard sent to the management of process such constituent, as an increase of the level of energy efficiency of industrial enterprises. There is substantiated an urgency of energy management systems'

formation at the enterprise with the tools for implementing the ISO 50001 standard that provides the basis for integrating issues about energy efficiency into the overall concept of management at the enterprise. The energy management systems expect accurate and sequential fulfilment of the following four stages: energy planning; implementation and functioning; check; management.

Studied suggested by the standard structure of the energy management systems and developed practical recommendations on its further implementation at industrial enterprises. The row of recommendations is given on practice of introduction of the energy management. The authors propose a mechanism for the implementation of the energy management systems on the example of PJSC "NKMZ". An objective checking and account of expenses of energy resources feature will appear due to it. It is also possible to analyse the states of the energy providing.