**Lyzunova O.M.**
Candidate of Economic Sciences, Associate Professor,
Senior Lecturer at Department of Management,
Industrial Institute of Donetsk National Technical University

# ENERGY MANAGEMENT OF METALLURGICAL ENTERPRISES

"Energy management" – a concept which is widely used in recent years. Metals companies that are serious about energy management, achieve reduction of energy costs up to 30 %. Energy efficiency plays an important role in the enterprise. The problem of energy management of metallurgical enterprises is very important.

International organization for standardization has developed the ISO 50001 (Energy management System). The goal of the standard is to provide guidance to companies on how to optimize process energy consumption.

The problem of energy efficiency standard. There is a need to develop theoretical and methodological approaches to the formation of the concept of energy management of metallurgical enterprises in modern conditions of managing. The idea of a new concept of power control is to increase the efficiency of activity of metallurgical enterprise. New concept of energy management of metallurgical enterprises should be based on the criteria of production efficiency, flexibility of strategy consumption. The new concept should allow to identify deviations between actual and projected power consumption for improved energy efficiency and energy saving at the enterprise level.

The energy efficiency and energy consumption represent not only scientific interest but also have practical value. The concept of energy management provides energy management to the same extent as any other production resource.

Strategic decisions, relevant external and internal conditions of functioning of the enterprise and market, is the main focus of ensuring the effectiveness of the company, and as a result, energy management is a necessary component for the development of enterprise and increasing its profitability.

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