

Evaluation of Energy Efficiency Development Perspectives in Lithuanian Furniture Industry

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Abstract : From the perspective of Lithuanian furniture enterprises, the role of energy efficiency is significant as it leads to direct economic benefits, increased competitiveness and higher productivity. There are various possible improvements in energy efficiency in industry: changes in the production process, investment in R&D, implementation of energy-saving technologies or energy management systems. The research aims to contribute the understanding of energy efficiency importance in industry by presenting possible improvements of energy use in different manufacturing process of enterprises. The evaluation methodology included quantitative and qualitative research methods: the comparative and statistical analysis of primary and secondary sources of information. This paper provides the detailed analysis of the energy efficiency development opportunities and challenges in Lithuanian furniture industry. The results of the study show the importance of technological innovations, energy efficiency policies and environmental management strategies in developing energy efficiency within the wood and furniture industry. The analysis of energy efficiency development in Lithuanian furniture industry showed that the industrial activities are influenced by various internal and external factors such as increasing flows of products, human resources and overall management decisions; dynamic growth and increasing competition; emerging need for environmental information. In the light of these factors, Lithuanian furniture industry has undergone significant changes – restructuring, technological advances and business model innovations, allowing it to be more export-oriented and focus on upgrading quality, design and innovation.

Keywords : energy efficiency, energy policy, furniture industry, technological innovation

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