LEAN LOGISTIC - IMPLEMENTATION OF LEAN METHODOLOGY IN MANUFACTURING PROCES ON LATTOFLEX

Ivana Antovska, Mira Stankevikj Shumanska

ABSTRACT

LEAN methodology focuses on optimizing processes, reducing costs, and increasing quality by identifying and eliminating activities that do not add value to the product or service. It is a systematic approach to eliminating waste in a manufacturing process to create more value for the customer and also jointly shifting the mindset and behavior among those involved in the production process, not just enforcing rules. This study focuses at implementing the LEAN methodology in the manufacturing processes of the wood processing industry in Macedonia production on lattoflex. The benefits have been identified and a comparison has been made of the quality and quantity of the products before and after the implementation of the LEAN methodology, including added value of the production process itself. Emphasis is also placed on the involvement of all employees, encouraging them to make suggestions that can facilitate and improve daily operations, thereby increasing motivation.

Keywords: LEAN methodology, value stream mapping, kaizen, eliminating waste, lattoflex.