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## **APPLICATION OF ECODESIGN METHODOLOGY IN SMEs RUN ACCORDING TO LEAN MANAGEMENT: THE CASE OF A FURNITURE PUBLISHING COMPANY**

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### **Abstract**

The aim of this paper is the adaptation of an Ecodesign methodology for product publishing SMEs that have implemented Lean Management. To obtain verification of this methodology, an eco-redesign case study of a product has been carried out from a furniture publishing SME which applies lean management to its entire production chain. Some proposed improvements resulting from this case study were: Design for dismantling, Multifunction, Dematerialisation, Increasing the material of renewable origin & Use of recycled material. The results indicate that this eco-design proposal may be applied in a simpler procedure in companies which have already lean management criteria. Even more, lean management facilitates the development of life cycle assessment studies.

*Key words:* eco-design, lean management, Life Cycle Analysis (LCA), publishing company, Small and Medium-sized Enterprise (SME), wood bases industry

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