

Lean and green intralogistics

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Abstract— despite the fact that intralogistics traditionally viewed has not reached the strategic development and that its activities are often characterized by a high degree of manual control, there appears to be many initiatives for improvement. In the field of intralogistics can the failure of the material or information flow cause costly interruption or loss, thus explaining the importance of effective internal logistics system. In this research we will focus on lean and green initiatives applied to the area of intralogistics. Many researchers have studied both philosophies separately, not often together and even more rarely, in the field of intralogistics. The importance of joint research in this case is significant as it is the implementation of such a common system more efficient and has a double effect: cost-effective and environmentally friendly effect. Both philosophies sometimes operate complementary and sometimes not. It is difficult to find an optimal lean and green, however, some researchers state that the adoption practices of lean manufacturing, consequently also lean logistics will improve the environmental performance of production facilities or in other words, lean is green. This paper comments approaches that have sought to combine the best of both practices in the internal logistics system, so the objective is to provide a framework for understanding the possible collaboration between lean and green in the area of intralogistics.

Key words— Lean, green, logistics, intralogistics.

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