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“CLEANER PRODUCTION INITIATIVES AND CHALLENGES FOR A SUSTAINABLE WORLD”

Performance in Operations Systems: The Contribution of the Sustainable Manufacturing in a Printing Company

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Abstract

In the last decades of the 20th century, changes in patterns of competition, ways of organizing work and production in line with the pressures of a growing population, economic development and resource shortages were observed. The search for sustainable models which are applicable to several productive activities became a reality in the 21st century leading external and internal changes in organizations, specifically in manufacturing ones, which can be change factors for the sustainability performance measurement. The Sustainable Manufacturing and the measures of sustainability performance, supported by tools such as the GRI Sustainability Report, have emerged as alternatives to serve these new demands and they are gradually modifying the current models of performance measurement systems. Therefore, this article aims to present a proposal to introduce a program of sustainable manufacturing in the production system and demonstrates its contributions to the performance measurement system of a printing company.

We performed a literature review, data collection and documentary research describing the main elements of sustainability management and performance management. The researchers conducted a case study, identifying the steps in the implementation of the sustainable manufacturing, performance indicators and considerable results in the use of resources such as consumption reduction of electrical energy and water.

Keywords: *Sustainable Manufacturing; Indicators; Performance Measurement.*
