

Process improvement programmes: a model for assessing sustainability

Process improvement programmes: a model for assessing sustainability

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Abstract


This paper outlines a model for assessing the sustainability of shop floor based process improvement programmes. The model was developed as part of a larger research programme, investigating the inhibitors and enablers for process improvement. The model is based on the SMMT (Society of Motor Manufacturers and Traders) Industry Forum MasterClass Process Improvement activity, but can be applied to any intensive shop floor based process improvement programme. The model's purpose is to identify the level of sustainability achieved by process improvement programmes and consists of two elements. The first element identifies five different levels of sustainability at cell level. The second element operates at factory level and examines the degree to which the tools and techniques have been spread between cells.

Keywords

BPR Sustainable development

Citation

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The Sustainability Assessment Model can be used by both academics and practitioners to translate a range of conflicting sustainability information into a monetary unit score. This is an effective way of communicating trade-offs and outcomes for complex and multi-disciplinary sustainable decisions in the automotive sector. This theoretical-conceptual study aims to analyze the tools for assessing corporate sustainability. We also intend to highlight the purpose, characteristics and shortcomings of tools relative to Triple-Bottom-Line and operations management. As a result, the literature presents some gaps in terms of addressing sustainability in operations management and the integration nature-society. View. Show abstract. This paper outlines a model for assessing the sustainability of shop floor based process improvement programmes. The model was developed as part of a larger research programme, investigating the inhibitors and enablers for process improvement. The model is based on the SMMT (Society of Motor Manufacturers and Traders) Industry Forum MasterClass Process Improvement activity, but can be applied to any intensive shop floor based process improvement programme. The model's purpose is to identify the level of sustainability achieved by process improvement programmes and consists of two elements. The Sustainable production process improvement is very important for all enterprises as its implementation can help them to achieve development plans, scheduling, and reduce costs and pollution. An increasing number of papers have discussed optimization and performance measurement for improvement and benchmarking. However, few studies have examined optimization and performance analysis in terms of sustainable process improvement. For these reasons, I invite high quality papers on optimization and performance analysis for sustainable production process improvement for consideration for publication

