Six Sigma based multicriteria approach to improve decision settings

Submitted by Emmanuel Lemoine on Thu, 01/30/2014 - 14:33

Titre Six Sigma based multicriteria approach to improve decision settings
Type de publication Article de revue
Auteur Azzabi, Lotfi [1], Ayadi, Dorra [2], Boujelbenne, Younes [3], Kobi, Abdessamad [4], Robledo, Christian [5], Chabchoub, Habib [6]
Editeur Inderscience
Type Article scientifique dans une revue à comité de lecture
Année 2009
Langue Anglais
Date 2009
Numéro 1
Pagination 99 - 123
Volume 1
Titre de la revue International Journal of Quality Engineering and Technology
ISSN 1757-2177 / 1757-2185
Mots-clés control [7], Electre [8], MCDM [9], multicriteria [10], Product [11], Prométhée [12], Quality [13], six [14], Tunisia [15]
Résumé en anglais The present competitive market is focusing industrial efforts on producing high-quality products with the lowest possible cost. The total performance of the process and the quality of its production depend on the one hand, of the characteristics of the intermediate products, and on the other hand, of the operation parameters of the manufacturing. To help accomplish this objective, various quality improvement philosophies have been put forward in recent years and of these, Six Sigma has emerged as perhaps the most viable and efficient technique for process quality improvement. The objective of this paper is to propose a method that puts in obviousness the enforcement performances improvement Six Sigma to assure high-level quality products and to make firm a level of improvement of the long-term performance. The application of the Six Sigma methods enforced with multicriteria approach to permit classification the betters' choices of a Tunisian industry.

URL de la notice http://okina.univ-angers.fr/publications/ua1371 [16]
Lien vers le document http://dx.doi.org/10.1504/IJQET.2009.030503 [17]

Liens
Publié sur Okina (http://okina.univ-angers.fr)