

SAP - 4. Landfill Location Model: A case study

Manyoma, P., Orejuela, J., Torres, P., Marmolejo, L., Vidal, C.

This paper presents a hypothetical case that takes into account the conditions of a developing country, and is based on multi-objective programming to link different sources of municipal solid waste (towns), with some new disposal sites and their relationship with the existing sites, along with their potential for expansion over time. The model is multi-period and helps define when a landfill should be opened (if it must) and how to use capacity expansion.

SAP - 5. Work Teams and Organizational Structure Change: A study in the Spanish automotive sector

Mejías, A., García-Arca, A., Pardo-Froján, J.

The aim of this work is to illustrate the changes that take place in organizational structures when a continuous improvement process is implemented with the support of work teams, either with a general outlook or within the framework of developing a specific model, such as Lean Manufacturing or Six Sigma. Taking into account the analysis of 8 Spanish automotive industrial facilities, it is noted that the more structured and formalized in their management these systems are, the greater the transformation in the organizational structure, and the assessment of the obtained results is more positive.

SAP - 6. Deming Management Model in the Context of Sports Tourism: A measuring model proposal

Miguel-Dávila, J., Rodrigues, M.

This study is an application of the Deming Management Model, developed by Anderson et al (1994), to the context of sports tourism industry. The referred method sustains that leadership efforts aiming at the simultaneous creation of a cooperative and learning organization facilitate the implementation of process-management practices. The empirical analysis was structured in two studies: In study one, the measurement's model was developed, specified and empirically tested with a pre-test (27 public and private service organizations) and with an exploratory factor analysis in 72 sport tourism centers (STC) located in IRL, UK and USA. In study two, the final questionnaire was validated, using confirmatory factor analysis (126 STC, located in the Iberian Peninsula). The measurement model showed a highly significant goodness of fit and revealed specific evidence of validity.

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