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INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

"INTEGRATING CLEANER PRODUCTION INTO SUSTAINABILITY STRATEGIES"

Energy Efficiency Based on Cleaner Production Approach on an A/C System within a Wire Harness Industry in the State Of Sonora

ESQUER, J.^{a*}, JUAREZ, B.^a, ZAVALA, A. G.^a

a. Universidad de Sonora, México

**Corresponding author, jesquer@industrial.uson.mx*

Abstract

This paper shows relevant results on a study conducted into a wire harness industry in the city of Hermosillo, Sonora, about Energy Efficiency into air conditioning (A/C) system. The adaptation of the manual from the UN Programme Environment (UNEP) for a cleaner production program with a focus on efficient use of electricity was used as a guide for the study.

Several options were generated in order to reduce consumption with different solution plans. A compilation of technical data of the equipment used was necessary, thus making crucial the characterization of the electrical energy consumption in the production area in KWH and how the amount of carbon dioxide equivalent would be reduced by the implementation for each of these by taking into consideration the investment and savings plans, leaving top management the decisions for their potential implementation.

Keywords: *Sustainability, Cleaner Production, Energy Efficiency, Air Conditioning*

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