Diagnostic of Cleaner Production in the Industrial Sector

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Abstract

This report sets out the findings, recommendations and benefits expected for the industry, through developed CP studies, at eleven companies from different industrial sectors, made by Engineering Students from Rafael Landívar University, to strengthen their knowledge and skills in CP applied to their discipline and increase the adoption of best practices in cleaner production and sustainable development, participating at small and medium-sized enterprises (MSMES).

The activity is part of the program Academic Social Responsibility (RSA), and the research areas of the Faculty: productivity, energy, environment and food security. This should apply the students' knowledge acquired during their career, evaluating and proposing improvements with solutions focused on cleaner production and sustainable development in different companies, as well as recommendations to be followed in the future for its implementation and/or continuity.

The authors acknowledge the support of the "Pathways to Cleaner Production in the Americas" project in development of CP activities at University. This initiative is funded by the U.S. Department of State, under the "Pathways to Prosperity in the Americas" initiative, through Higher Education for Development (HED). The authors are solely responsible for the contents of the article.

The development of this activity was supported by the technical cooperation agreement signed between the University (URL) and the Guatemalan Cleaner Production Center (CGPML), with the aim of promoting and facilitating the implementation of better practices for cleaner production and sustainable development.

The students participated in CP training activities and sustainable development. Diagnosis gave the participants opportunities for production improvement, achieving integration between the industry and Academia.

Keywords: *academic social responsibility, cleaner production, sustainable, small and medium enterprises development, production practices and environmental performance*