

A systematic procedure to combine the integral management systems in a services sector Company

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Abstract

Nowadays, the companies with national leadership have decided to provide services that allow the industries to give solutions for manufacturing, repair, reconstruction, maintenance and supply to the necessary tools necessary for the operation of the machinery required in the development of projects. The objective of this work is based on the identification of the relationship and points of convergence between the ISO 9001:2015, ISO 14001:2015, ISO 50001:2011, and OHSAS 18001:2007 standards, for the implementation of the IMS-HSE (Integrated Management System and Health, Safety and the Environment respectively), in companies in the metal-mechanical sector that develop their economic activity in Colombia. An analysis of the regulatory structure was conducted, identifying common and non-common aspects to find a compliance baseline that provides business leaders with a decision-making tool for implementing Geographical Information System (GIS) and HSE aimed at continuous improvement. The result of this research offers a characterization regarding scope, planning, performance evaluation and development in legal terms, applied to the systems integrated into the service company in the metal-mechanical sector. So that, the results can be used as an operational and organizational tool that provides them with a characteristic of viability, competitiveness, and profitability compared to companies in the same dynamic scenario, guaranteeing compliance with the legal commitments of the Colombian regulatory framework.

Keywords

Environment, Industrial Safety, Management System, Occupational Health, Quality, Standards