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Sustainability Evaluation of a Company Through G.A.I.A. Tool

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Abstract

The need for a company to achieve a certain level of sustainability has become a necessity, from the symptoms presented by climate change on the planet. Worldwide actions are being planned and implemented to minimize the impacts caused by the uncontrolled use of natural resources. At the same time, the laws become more stringent with respect to the productive sector, blaming it for the generation of waste and its proper disposal. The search for the use of clean technologies, makes the difference for companies. The instrument used to measure the sustainability index is the GAIA tool, developed scientifically based on improving the environmental performance of organizations and the achievement of full sustainability. With the basic principles of legal compliance, continuous improvement and pollution prevention. The metal-mechanic sector is presented as an impactful activity by using large amounts of water to clean parts producing residues class I, sludge oil and grease.

Keywords: Sustainability, pollution prevention, environmental management, metal-mechanical
