

Resource Efficiency within Current Production

Authors : Sarah Majid Ansari, Serjosha Wulf, Matthias Goerke

Abstract : In times of global warming and the increasing shortage of resources, sustainable production is becoming more and more inevitable. Companies cannot only heighten their competitiveness but also contribute positively to environmental protection through efficient energy and resource consumption. Regarding this, technical solutions are often preferred during production, although organizational and process-related approaches also offer great potential. This project focuses on reducing resource usage, with a special emphasis on the human factor. It is the aspiration to develop a methodology that systematically implements and embeds suitable and individual measures and methods regarding resource efficiency throughout the entire production. The measures and methods established help employees handle resources and energy more sensitively. With this in mind, this paper also deals with the difficulties that can occur during the sensitization of employees and the implementation of these measures and methods. In addition, recommendations are given on how to avoid such difficulties.

Keywords : implementation, human factors, production plants, resource efficiency

Conference Title : ICIE 2014 : International Conference on Industrial Engineering

Conference Location : Cape Town, South Africa

Conference Dates : November 06-07, 2014