

A Multicriteria Approach to Assessment Risk Professionals in the Industry of Gas Treatment

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Abstract

In their competitiveness's research, and facing an uncertain environment, the firms search more and more to attain again objective. For that, it is necessary to minimize risks and unforeseen in their systems give complexes by the assessment risks; this one has been envisaged a long time of the technical point of view, as a first tentative to minimize risks and accidents. Then, the adoption of the analysis on the flat engineering only for the risks elimination endures to run out of him taken in account different demonstrated variability by the human operator. The human operator as the basic postulate of events appearance of catastrophes and failures; however issuing finders of diverse currents have to apply different methods to minimize risks of human errors, some have used combined methods taking counts him personals factors and engineering, others himself are supported on estimations probabilities to calculate trials of workers. This paper uses to assessment the risks produced by the human with application of multicriteria method: Promethee methods and AHP (Analytical Hierarchy Process) methods to help the decision for to assessment human errors and to make firm a level of improvement of the long-term security. The applications of the multicriteria approach in the treatment Gas industry in order to visualize his importance level.

Keywords: Human risk; Risk assessment; multicriteria approach; methods Promethee, methods AHP

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