

# Utilizing Analytic Hierarchy Process for Supplier Evaluation - an Example of Gasoline Dispenser

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## ABSTRACT

The overall environmental degradation makes people's environmental awareness rising. People can not allow the occurrence of air pollution events. Evaluation criterion and weight for the supplier evaluation of gasoline dispenser is the important consideration factor for procurement of the fine gasoline dispenser. Utilize Analytic Hierarchy Process (AHP) for supplier evaluation of gasoline dispenser and study evaluation criterion and weight for the supplier evaluation of gasoline dispenser. The objectives of this research are as follows: (1) to assess the current operation of the supplier evaluation, (2) to utilize AHP to establish evaluation criterion for the supplier evaluation of gasoline dispenser, (3) to establish evaluation weight table based on evaluation criterion.

The finding of this research is that the evaluation criterion weight for the supplier evaluation of gasoline dispenser are "quality (0.417)", "delivery (0.209)", "price (0.115)", and "technology and service (0.259)". In all of the experts' opinion, the "quality" evaluation criterion is the most important item and its weight is the maximum.

Keyword: Analytic Hierarchy Process (AHP), Gasoline Dispenser, Supplier Evaluation