A new approach to supplier selection problem

An integrated approach combining AHP and ELECTRE III/IV methods was employed for the evaluation and selection of hydrogen production processes. The AHP was used to determine the weights of the evaluation criteria, while the ELECTRE III/IV was used to compare the alternatives based on their aggregated performance scores. The proposed approach was applied to a real-world case study, where hydrogen production processes were evaluated and selected for a specific application. The results showed that the proposed approach was effective in providing a comprehensive evaluation and selection of hydrogen production processes.

What is Analytical Hierarchy Process (AHP) and How to Use it

The Analytical Hierarchy Process (AHP) is a mathematical tool of problem solving. The AHP method has been created after understanding the structure of a problem and the real feasibility that managers face while solving it. This article explains the structure of the AHP and how Analytical Hierarchy Process can be used.

Using The Ahp Electreiii Integrated Method In A

In this study, the Competitive Profile Matrix (CPM) method, which identifies firm's major competitors and its particular strengths and weaknesses in relation to a sample firm's strategic position, was used to analyze the competitive position of a sample firm. The CPM method is a useful tool for strategic decision-making and can be applied in various fields. The results of this study indicate that the sample firm is positioned in a competitive market with strong competitors. Therefore, the firm needs to develop strategies to improve its competitive position and maintain its market share.