

應用Fuzzy AHP 與灰色理論於綠色供應商評估模式-以LED 晶圓製造廠為

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摘要

In recent years, the global climate changing, green energy industry is now popular to attention. Gradually the depletion of energy will be the future development of the biggest obstacles, so the development of green energy industry aspirations, so to reduce primary energy consumption and carbon reduction effect. LED industry is growing very rapidly in recent years, it has low power consumption, high efficiency, long life and other advantages. LED related products becoming more and more diverse, so the LED industry supplier assessment is also relatively important. This paper is to aid LED manufacturers in selecting the most appropriate suppliers and in evaluating supplier performance. The procurement of parts and materials is very important issue in the successful and effective implementation of the industry. In this research utilized the Fuzzy AHP and Gray theory to deal with supplier selection and supplier performance evaluation. It can assist manufacturers in selecting the most appropriate suppliers and in evaluating supplier performance, in order to better the green selected supplier of reference to the relevant industries.

關鍵字：Fuzzy AHP, Grey Theory, green