

Successful Converting of bio-based Feedstock with Evonik catalysts

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When planning the conversion of bio-based feedstock into valuable chemicals, it is essential to adopt a holistic perspective from the outset. As with most chemical processes, the majority require a catalyst to effectively utilize the feedstock. Identifying the appropriate catalyst necessitates a deep understanding of its behaviour and the implications in various chemical reactions.

Evonik Catalysts' structured approach can streamline the scaling-up process, guiding the transition from initial laboratory testing to full-scale production. The total cost of ownership encompasses not only the initial purchase price of the catalyst but also long-term economic factors, including catalyst reuse, recovery, and the management of by-products.

A detailed case study will discuss the hydrogenation of succinic acid and demonstrate how advanced catalysts can enhance process efficiencies and reduce overall costs, ultimately contributing to more sustainable chemical production.