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Title of Presentation : Pilot Testing: The Essential for Successful Industrial Scale-up in Chemical Engineering



Presentation Abstract :

Pilot testing is an essential stage in the toolkit of chemical engineers, playing a pivotal role in the development of safe, efficient, and commercially viable processes and products. In this presentation we will discuss the benefits of pilot testing and its significance in ensuring the success of new ventures. Thorough pilot tests enable the identification and early resolution of potential problems, safeguarding valuable resources, minimizing time investment, and preventing accidents. Furthermore, pilot testing ensures the safety of workers involved in the operations and the end-users of the products. By optimizing process efficiency, pilot testing contributes to cost reduction and increased profitability. Additionally, it allows for the fine-tuning of product performance, resulting in innovative and appealing offerings that cater to the demands of a competitive market. The role of pilot testing is indispensable for chemical engineers, empowering them to achieve groundbreaking and triumphant outcomes.