



TNChE Asia 2024 Conference
" Decarbonization, AI and Digital Transformation
for Sustainability in Process Industries "
Presenter's Biodata & Abstract



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Current Position : Senior Engineer for centrifugal compressor
Title of Presentation : Energy Saving and Optimization by Improving
Compressor Efficiency Sharing



Presentation Abstract :

If compressor operating power can be saved by improving compressor efficiency, this will help reduce carbon dioxide emissions. In this regard, compressor efficiency can be improved by applying the latest technology. One solution is to improve efficiency by reducing internal clearance and replacing the impeller with the latest technology designed using 3D analysis and one-piece manufacturing. This abstract focuses on the core equipment of the compressor - the aero, or impeller and its optimized stationary flow path - and presents solutions to improve efficiency.