



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



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Title of Presentation : Decarbonization pathways for process burners in refineries and petrochemical plants

Presentation Abstract :

The refining and petrochemical industries are major contributors to global carbon emissions. This presentation will provide an overview of decarbonization pathways tailored specifically to process burners in refineries and petrochemical plants.

It will outline the current reliance on combustion processes in these facilities and highlights the associated environmental challenges. Next, it explores various technological options available for reducing carbon emissions: non-hydrocarbon fuel switching and oxy-firing, in which advantage and disadvantage of each technology will be explored.