



TNCHE Asia 2025 Conference
**"Accelerating Industrial Decarbonization:
Digital-AI and Energy Transformation "**
Presenter's Biodata & Abstract



Full Name : Mr. Sandeep Yadav

Organization : Koch Glitsch

Current Position : Process and Application Leader



Title of Presentation : Divided Wall Columns - How Redesigning Existing Columns Can Help Achieve Sustainability Targets

Presentation Abstract:

As global industries embrace sustainable practices, divided wall columns (DWCs) emerge as a transformative solution. Combining energy efficiency with enhanced separation performance, DWCs reduce carbon emissions and operational costs while ensuring exceptional product quality. Supported by Koch-Glitsch's expertise in tray and mass transfer technology, DWCs offer reliable, high-performance designs tailored to industrial needs. Their ability to streamline processes and minimize equipment space requirements aligns with both economic and environmental priorities. By adopting DWCs, industries can achieve greener, more resource-conscious operations, driving progress toward sustainable industrial practices and a reduced ecological footprint.

Presenter Biodata:

Sandeep Yadav is the Process and Application Leader at Koch Engineered Solutions India Pvt. Ltd., where he leads the Process and Application Engineering team for Mass Transfer and Separation Technology businesses across India. With over 20 years of industry experience, Sandeep excels in troubleshooting, de-bottlenecking, process modeling, and the design of fractionation processes, including the dividing wall columns and mass transfer equipment.

Sandeep has authored technical papers and publications, focusing on the design, revamp, and troubleshooting of distillation columns and processes. In addition to his technical contributions, Sandeep is a member of the Global Refining Application Team at Koch-Glitsch, reflecting his active participation in global initiatives and collaborative efforts within the refining and separation technology sectors. Sandeep holds a bachelor's degree in chemical engineering.