



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



Full Name : Eak Sakolarj
Company/ Organization : Dorf Ketal Chemicals PTE Ltd.
Current Position : Country Manager- Thailand



Title of Presentation : Energy Savings with chemical treatment: Paving the Way to Decarbonization"

Presentation Abstract:

Energy savings represent a pivotal sustainable objective within the petrochemical value chain, including units like ethylene monomer, styrene monomer, and butadiene monomer. One significant challenge hindering energy efficiency is fouling, particularly evident in sections such as Furnace, cracked gas compressors (CGC), light end unit reboilers, styrene distillation reboilers, and butadiene solvent recovery reboilers. Mitigating fouling issues can lead to substantial reductions in energy consumption, thus aligning with de-carbonization efforts.

Dorf Ketal Chemicals, a leading Specialty chemicals & solutions provider, is committed to the sustainable goals of process industry chiefly- energy efficiency, reduction in carbon footprint & lower greenhouse gases (GHG), HSE & reliability. Dorf Ketal offers an array of fouling control technologies like SULSAFE™ for Furnace, compressor multifunctional antifoulant, polymer inhibitors for Light end units, ACTIFY™ for styrene & Butadiene monomer units and stabilizers for TBC replacement in purification/storage.

In this presentation, Dorf Ketal will demonstrate: the optimization of chemical dosage through innovative chemistry, the utilization of chemicals with low carbon intensity, sustainable alternatives to DNBP/TBC, and the quantification of energy savings using an ROI model.