



13th Chemical Process Safety Sharing, Thailand

Presenter Bio data & Abstract



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Presentation Topic : **Digitalization of Tier 3 Process Safety Management (PSM) for Operational Excellence and Process Safety:**

Presentation Abstract: Leverage Integrated Operations as the key enabling component of Operational Excellence initiatives. This is an opportunity to enable Instrument and control system operational improvements that will optimize operational cost and efficiency by managing critical operational parameters from Central Operation & Maintenance Team through digitalization.

Build advantage through strategic and operational links among core teams across Process assets and domains, reducing reporting efforts, increasing operational transparency, enabling asset to asset benchmarking, pro-active and predictive identification of opportunities for improvement allowing prioritization of resources across the assets.

Standardization across assets for visibility and assurance that KPI's are measured and reported in the same way, with a central configuration, enabling benchmarking of one asset against another and greater efficiencies in deployment and maintenance.



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This creates Central Visualization of Plant Digital Data Model across assets on the Operational Risk parameters as follows:

- Process Alarm Management performance
- Operation Deviation and excursion Management
- Independent Protective Layer/Instrument Protective function