



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



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Current Position : Business Development Director, SEA



Title of Presentation : Process Optimization Era with Artificial Intelligence (AI)

Presentation Abstract:

In industries where every decision impacts productivity, safety, and profitability, Beyond Limits' **Operations Advisor** is the trusted AI application for real-time, data-driven guidance. Empowering teams across energy, manufacturing, and utilities, this no-code solution optimizes processes, reduces costs, and improves energy efficiency.

Operations Advisor is more than a software; it's an intelligent decision-support platform built to tackle today's toughest operational challenges with industry-specific precision and ease of use.

Operations Advisor with its no code capabilities help operations engineers, field technicians to use AI without data science knowledge to achieve the following benefits:

- ◆ **Maximizing Yield:** Keep product quality consistent while adapting to varying feedstocks and equipment conditions.
- ◆ **Energy Management:** Optimize energy usage and track emissions of energy intensive units such as distillation columns, compressors and plant utilities.
- ◆ **Catalyst Optimization:** Project catalyst degradation as a function of feed characteristics using advanced ML models.
- ◆ **Enhanced Operational Consistency:** Standardize practices across shifts, ensuring that operators follow best practices every time.



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- ◆ **Managing Reliability:** provides actionable insights to maintain equipment reliability and optimize preventive maintenance schedules.