



**TNCHE Asia 2023 Conference
Event Partner/ Exhibitor
Presenter Bio data & Abstract**



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Company/Organization : **Lummus Digital**

Current Position : **VP & Chief Digital Officer**



Working Experience :

- Worked for 24 years with Fortune 500 companies in North Americas, Europe and Singapore in Big Data Engineering, Algorithm and Model Formulation, Digital Transformation.
- 5 International Patents and 11 publications in International Journals
- Key Note Speaker at Industry Forums like FICCI, Indian Chamber of Commerce, IEEE, WAN IFRA, ICSE, PAN IIT & IIM Valedictory Programs.

Title of Presentation : **Digital Decarb™ – Lifecycle Carbon Assesment**

Presentation Abstract :

Title of Presentation: Digital Decarb – Lifecycle Carbon Assessment

Abstract

Many organizations are working towards the efforts in reducing energy consumption and emissions but there is a lot more work to be done. However, Lummus with its broadest portfolio covering Refining & Petrochemical technologies, is in unique position to identify opportunities and propose best routed decarbonization solutions.

The Digital Decarb is a highly efficient tool that can conduct a complete carbon assessment throughout its lifecycle, starting from production, transportation, usage, and finally to disposal.

This unique application offers various benefits to its users, such as:

- ♣ The ability to monitor and analyze emissions in real-time, identifying opportunities to reduce them.**
- ♣ Enable users to estimate the equivalent CO₂ emissions attributed to any facility at complex, unit, or equipment level.**
- ♣ Prioritizing areas for improvement and recognizing the hotspots where emissions are most significant.**
- ♣ Assisting users in developing a strategy to reduce emissions with minimal investment.**
- ♣ Automated reporting in accordance with industry norms.**

Lummus Digital, supported by Lummus Technology, has introduced Digital Decarb as a comprehensive digital solution for conducting a complete lifecycle carbon assessment, aiming to significantly reduce CO₂ emissions by 10-15%.