



**29 June 2024 (Sat)**



**10.00am – 12.00pm**



**IEM Penang Secretariat, 1-04-02, eGate,  
Lebuh Tunku Kudin 2, 11700 Penang**



**BEM CPD Hours: 2**  
Ref: IEM24/PG/229/T



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**IEM Member : RM 30**  
**Non-IEM Member: RM 60**

## Synopsis

The semiconductor industry is the backbone of modern electronics, driving innovations in technology and enabling the advancement of various sectors from consumer electronics to automotive and healthcare. A critical component in the manufacturing of semiconductors is the distribution of special gases, which are used in various processes such as etching, doping, and deposition. These gases must be handled with utmost precision and safety due to their high purity requirements and potential hazards.

In this technical talk titled "Special Gas Distribution System for Semiconductor Industry," we will explore the intricate systems and technologies involved in the safe and efficient delivery of these essential gases. By the end of this talk, participants will gain a comprehensive understanding of the critical aspects of special gas distribution systems, from design principles to safety considerations and future innovations. This knowledge will be invaluable for engineers and professionals involved in semiconductor manufacturing, helping them to enhance their processes and maintain high standards of safety and efficiency.

## About the Speaker

**Dr. Chin Hon Keong**, DBA, M.Eng(Chem), B.Eng(Chem), is a Construction Manager (Process) at Exyte Malaysia Sdn Bhd with over 21 years of experience in the manufacturing industry, particularly in the semiconductor sector. Dr. Chin's expertise lies in the design, implementation, and management of special gas distribution systems, which are critical to semiconductor manufacturing processes.

Dr. Chin has played pivotal roles in several high-profile projects in the semiconductor industry. He led the on-schedule construction of process support systems, including gases, chemicals, ultrapure water (UPW), and wastewater treatment plants (WWTP) for GlobalFoundries Fab 7H. He has also served at Q-Cells and Manager at Renewable Energy Corporation (REC).

Dr. Chin has consistently demonstrated his capability to handle the intricacies of special gas systems. For clients like SOXAL, UMCi, ST Microelectronics, Infineon Technologies, Global Foundries, and Intel highlights his profound understanding of the technical and safety requirements essential for the successful deployment of these systems.



Speaker:  
**Dr. Chin Hon Keong**



Moderator:  
**Dr. Leow Cheah Wei**