

Co-organized by IMechE Malaysia, Mechanical Engineering Technical Division of IEM, IMechE Malaysia Young Members Section, and IMechE Monash University Malaysia Student Chapter.

## Physical Technical Talk: “Automated Waste Collection System (AWCS)”

### Biodata of Speaker

**Ir. Chea Thean Teik** is the Group CEO of STREAM Group Sdn Bhd, Malaysia's first Central Vacuum Systems (CVS) and Automated Waste Collection Systems (AWCS) company. Ir. Chea joined STREAM Group back in 2005 in Malaysia and has since made significant contributions to developing STREAM Group, which today serves over 320 customer projects over Malaysia, Singapore, Australia, China, India, Hong Kong, Taiwan, Qatar, and United Arab Emirates.

As a certified Professional Mechanical Engineer (with Practicing Certificate) registered with Board of Engineers, Malaysia, Ir. Chea has a deep understanding of market with over 28 years of vast and multi-country experiences in CVS and AWCS, Waste Management, Building's M&E Services, Mechanical Handling Engineering, Project Management, and Contract Administration. Always enthusiastically in sharing Waste Management experience and knowledge. Ir. Chea was actively invited as speaker of few universities, corporations, and conferences, locally and internationally throughout recent years. Ir. Chea is also an ASEAN Chartered Professional Engineer (ACPE), an APEC Engineer and an International Professional Engineer (IntPE).

### Synopsis

Traditional waste collection methods are labor-intensive, contribute to traffic congestion, and pose health and environmental risks. The Automated Waste Collection System (AWCS) offers a transformative solution, aligning with smart city goals to create cleaner, safer, and healthier urban environments.

This talk will highlight how AWCS delivers:

- **Hygienic:** Minimizes waste exposure and enhances indoor air quality.
- **Efficient:** Optimizes collection processes and resource usage.
- **Sustainable:** Reduces emissions and energy consumption through smarter waste handling.

BEM Approved CPD : 2  
Ref. No.: IEM25/HQ/294/T

**Date** : 5th August 2025 (Tuesday)  
**Time** : 6:00 pm – 8.00 pm (Refreshments will be served at 5.30 pm)  
**Venue** : Monash University Malaysia, Jalan Lagoon Selatan, Bandar Sunway, 47500 Subang Jaya, Selangor  
 (Registrants will be informed on the lecture room number via emails)  
**Fee** : **Free of charge (for IMechE Malaysia Members and IEM Members only)**

\*Interested participants are to **register** by filling up this **form**. No walk in is allowed. The organizers will not be liable for any injury, damage, or loss sustained by participants.

