

# PHYSICAL TECHNICAL TALK “ODOURLESS TOILET IS IT A MYTH”

## PROGRAM DETAILS

**TIME:** 9.00 AM - 11.30 AM

**DATE:** 22 JUNE 2024

**LOCATION:** AUDITORIUM MALAKOFF, WISMA IEM

**BREAKFAST SPONSORED BY SPIND MALAYSIA SDN. BHD.**

## SYNOPSIS

Malaysians are so used to smelly toilets especially public toilets that many would think that to have an odourless toilet is a MYTH. The owner of the premises where the toilets are installed would take ineffective yet costly measures in order to reduce the smell. For example, are the toilets in our airports. A full time cleaner would be stationed to wash and mop the floor regularly yet the source of the smell INSIDE the toilet remains most of the time. The typical method to wash a toilet is to FLOOD the entire floor thinking it will eliminate the smell, which DOES but only immediately after the wash. This is because the smell enters the toilet gradually.

A survey was conducted on 5 Consultant Engineers and 2 Plumbing contractors, where they were asked to design the soil and waste discharge and stack of a typical public toilet. The conclusion was none of them were able to design the discharge effectively hence allowing smell from the sanitary system to enter the toilet. This the MAIN reason why toilets are smelly. The wetness of toilet has nothing to do with smell and can create a safety issue which can cause slip and fall to users.

The talk would be an open forum for any participants to put forward questions and at the end session there will be a technical solution, if adopted will ensure our future toilet will be odourless. In this respect, ODOURLESS TOILET IS NOT A MYTH.

## SPEAKER

### Ir. Gary Lim Eng Hwa

BE(Mech.) NZ, Mgt Dip. FIEM, P.Eng, AT31000 (Approved ISO31000 Risk Management Lead Trainer)

Gary is a member of the Building Services Technical Division (BSTD), Safety in Engineering Special Interest Group (SESIG) and the Fire Advisory Board of the Institution of Engineers, Malaysia. He has a degree in Mechanical Engineering from the University of Canterbury, New Zealand and a Management Diploma from New Zealand.

He is a Professional Engineer registered with the Board of Engineers, Malaysia and a Fellow of the Institution of Engineers, Malaysia (IEM). In 2016 he obtained Approved ISO31000 Risk Management Lead Trainer Certificate from G31000 Institution. Gary has conducted design courses at IEM for the past 10 years on Plumbing, Sanitary, Fire Fighting Systems and Rainwater Harvesting System USING GRAVITY FEED only.



## REGISTRATION FEES

**IEM MEMBERS : RM 15.00 / IEM NON MEMBERS : RM 70.00**

**CPD Hours : 2.0 / CPD Ref No: IEM24/HQ/187/T(w)**

**Register Online : [www.iem.org.my](http://www.iem.org.my)**

**BUILDING SERVICES  
TECHNICAL DIVISION (BSTD)**