

Evening Talk on “Single Stack Drainage for High Rise Buildings”

Date : Wednesday, 26th June 2019

Venue : IEM (Southern Branch) Training Centre, 24B, Jalan Abiad, Taman Tebrau Jaya, 80400 Johor Bahru

Speaker: Mr. Erik Douma

Synopsis

Plumbing regulations call for a safe, usable and reliable drainage system. One of the primary functions of a well-designed drainage system is the minimum loss of trap water seal to protect sewer gasses from spreading smell and pathogens.

Water seals are breached by air pressures arriving in the system by water and air movement. These pressures communicate an increase or decrease in the air flow and a typical drainage system provides atmospheric air into the drainage system via a separate smaller vent pipe through the roof.

Pressure control via atmospheric air has been standardised in building codes which were made in the 1960s based on tests in 10 floor buildings, however since that time buildings have become much higher and building drainage systems are starting to fail with empty traps.

Scientific studies by the Heriot Watt University (1984 – 2009) shows that the long time it takes for pressures to communicate to the top of the building central to the (mal) functioning of the drainage system. The best way to control pressures and maintain a water seal is to provide pressure relief as close to the source as possible. The practical and most economical solution is to use a single stack drainage system with Studor Active Drainage Ventilation. This system attenuates any pressure difference immediately at the Point of Need and has been used since 2003 in many high rise buildings world-wide and has been adopted in the Australian building code.

In this talk you will learn more how over- and under pressures are influenced by slow down flow, roof top wind, sewage condition, induced siphonage and reflections of the wet stack. Furthermore you will learn that an active ventilation system can offers guaranteed protection of any trap in the drainage system for any building and a reduction of cost and installation time.

Time	Tentative Programme
5.15 p.m. – 5.30 p.m.	Registration & Refreshment
5.30 p.m. – 5.35 p.m.	- Welcome Speech By IEM (SB) Organising Committee
5.35 p.m. – 7.00 p.m.	- Talk on “Single Stack Drainage for High Rise Buildings”
7.00 p.m. – 7.30 p.m.	- Question & Answer Session
7.30 p.m.	Closing & End of talk

Biodata Speaker:

Mr. Erik Douma graduated first in 1986 at the University of applied sciences in The Hague in The Netherlands. He holds bachelor degrees in education, commerce and management. Additionally he has studied Thermo Plastics at the TIO, University of Applied Sciences in Utrecht and Transient pressures at the Heriot-Watt University, Edinburgh.

Erik started in the plastic industry in 1997 and has been active within Aliaxis in various roles with thermoplastic pipe systems for building, industrial and utility applications. He has been technically and commercially active in Europe, Asia, Pacific, Middle East and Africa. Last 7 years he has focused on HDPE, noise attenuating- and siphonic roof drainage systems for Europe, Asia & Pacific.

His experience has evolved in 2018 to a responsibility for the business development of high-rise solutions within the Aliaxis group for Asia and the Pacific region. He is in close contact with Aliaxis companies worldwide concerning engineering and product management.

Nowadays, Erik assists project developers, consultants and installers with technical options in high rise projects specially for drainage systems.

Participant Fees:

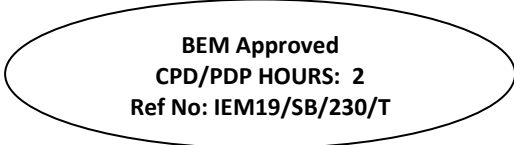
Grade	Online	Normal
IEM Corporate Member & Graduate Members (30 years and above)	RM 40.00	RM 50.00
IEM Senior Members (60 years and above)	RM 30.00	RM 40.00
IEM Graduate Members (Below 30 years)	RM 20.00	RM 30.00
Non-Member	RM100.00	RM110.00

For **ONLINE REGISTRATION**, payment **MUST BE MADE VIA ONLINE PAYMENT** (bank-in the participant fees into the Institution's Maybank Current Account (No. 5-013920-15708) before the **closing date**. Registration will be on a first-come-first-serve basis. Kindly return the Reply Slip to the IEM (SB) office before **21st June 2019** together with a non-refundable cheque for the participant fees made payable to ***The Institution of Engineers, Malaysia (Southern Branch)***. Alternatively, you could bank-in the participant fees into the Institution's Maybank Current Account (No. 5-013920-15708), and to facsimile both the Bank-in and Reply Slips to the Institution. The Institution requests all members co-operation in ensuring fees are paid in advance to the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)

REPLY SLIP

To: Hon. Secretary,
The Institution of Engineers, Malaysia (Southern Branch)
E-mail : iemsouthern@gmail.com ; Fax: 07 - 331 9710



Evening Talk on "Single Stack Drainage for High Rise Buildings"

Wednesday, 26th June 2019, 5.30 p.m. – 7.30 p.m. at IEM (Southern Branch) Training Centre, Johor Bahru.

I wish to attend the above talk. I enclosed herewith a cheque No. for the amount of RM.....as payment for the seminar fee.

Name of Member:Membership No:.....

I/C No:

Address:Tel (O): Fax :.....

.....Tel (H/P):.....

.....E-mail:.....

Company's Name:

Signature: Date:

Note: For IEM members, membership cards should be presented for identification purpose. Failure to present the card, one will be declared as a non-IEM member and he/she will be required to pay the non-IEM member fee.

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