

## Half-day Talk on

### “Innovative Technology in Conveyance of Water and Sewerage - Oriented PVC Pipes”

**Date** : Saturday, 20<sup>th</sup> July 2019

**Venue** : Thistle Johor Bahru

**Speaker** : Mr. Jason Lee, Molecor (SEA) Sdn Bhd

#### Synopsis

Water may be conveyed through pipeline by gravity flow or via pumping method. From metal to thermoplastic pipes, these has been laying around above and underground to supply water to the consumers since ages ago. Distinction in manufacturing process of the pipes and type of pipes have evolved from time to time. PVC-O was invented since the late 1970s. The latest patented technology to produce PVC-O at the highest degree of orientation which is class 500 and also, with integrated socket system is by using air based system.

PVC-O is made by realigning the PVC molecules through a process of orientation. This greatly enhances the material properties – around twice the strength and ten times the impact resistance is achieved compared to traditional PVC-U material. The result is that PVC-O has a larger bore offering greater hydraulic capacity; the pipe is manufactured with significantly less embodied energy and is more material efficient compared to other pipe options.

The orientation process imparts high strength at maximum material efficiency. It is the most eco-friendly pipe system in the world as it requires less energy to produce than conventional PVC-U and other pipe materials. It also uses less energy in service than all other pipe types. Considering their relative low weight, PVC-O pipes are strong, robust and durable.

Time	Programme Tentative
8.30 a.m. – 9.00 a.m.	- Registration
9.00 a.m. – 9.10 a.m.	- Welcome Speech By IEM (SB) Organising Committee
9.10 a.m. – 10.30 a.m.	- Session One: Introduction to the technology of PVC-O pipes
10.30 a.m. – 10.45 a.m.	- Coffee Break
10.45 a.m. – 12.30 p.m.	- Session two: Application and Specification of PVC-O pipes in Malaysia
12.30 p.m. – 1.00 p.m.	- Questions & Answers Session
1.00 p.m.	- Closing & Lunch

#### Speaker Biodata

**Mr. Jason Lee** holds an honours degree in Electrical and Electronics Engineering from the University of Nottingham in 2006 and bachelor’s degree in Law (Hons.) from the University of London in 2010. He started his career with technical Sales & Marketing in industrial automation, biometrics identification, telecommunications infrastructure and also a construction litigation and arbitration engineer for a boutique law firm established in construction law, and also a patent executive for Shearn Delamore & Co. His roles as a General Manager in Molecor (SEA), involves both the technical as well as the commercial aspects of the latest pipe technology, in particular molecular-oriented high pressure pipes (PVC-O pipes). He has extensive experience in the design and specification process of various private and government infrastructure projects.

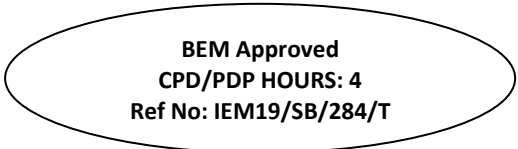
#### Participant Fees:

Grade	Online	Normal
IEM Corporate Members & IEM Graduate Members (30 years and above)	RM90.00	RM110.00
IEM Senior Engineers (60 years and above)	RM 80.00	RM100.00
IEM Graduate Members (Below 30 years)	RM 70.00	RM 90.00
IEM Student Members	RM 60.00	RM 70.00
Non-Member	RM160.00	RM180.00

**Closing Date: 16<sup>th</sup> July 2019**

**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 **16<sup>th</sup> July 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)*



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**Half-day Talk on**  
**“Innovative Technology in Conveyance of Water and Sewerage - Oriented PVC Pipes”**  
Saturday, 20<sup>th</sup> July 2019, 9.00 a.m. – 1.00 p.m. at Thistle Johor Bahru Hotel.

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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