

TALK ON "INNOVATIVE TECHNOLOGY IN CONVEYANCE OF WATER AND SEWERAGE - ORIENTED PVC PIPES"

Organised by Water Resources Technical Division, IEM

BEM Approved CPD/PDP Hours: 2 Ref No: IEM16/HQ/053/T

Date : 13th March 2017 (Monday)
Time : 5:30 pm – 7:30 pm (Refreshments will be served at 2nd Flr at 5.00pm)
Venue : C&S & TUS Lecture Hall, 2nd Floor, Wisma IEM, Petaling Jaya
Speaker : Mr. Aziz Jaafar & Mr Jason Lee

SYNOPSIS

Water may be conveyed through pipeline by gravity flow or 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.

BIODATA OF SPEAKERS

Mr Aziz Jaafar holds and honours Degree in Applied Science from the state University of New York, Buffalo and graduated on 1989. Mr Aziz has been in plastic piping industry in the past 25 years. Throughout his career, Mr Aziz has served in various functions, mainly Quality Assurance, Technical Marketing, Product Development and Production Operation. As a prominent figure within the piping industry in Malaysia, Mr. Aziz is in the advisory committee to SIRIM standards and other statutory organization. Prior to joining Molecor SEA, he was the General Manager for Operation & Innovation at one of the leading piping company in Malaysia and worldwide.

One of his major achievements was the invention of GYROJOINT fitting system used in the rainwater system. Currently, he is playing the role of Plant Head in Molecor (SEA), a company dedicated exclusively on PVC-O Pipes manufacturing.

Jason Lee holds an honours degree in Electrical and Electronics Engineering as well as an LLB (Hons) from the University of Nottingham and the University of London respectively. 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 in Molecor South East Asia combine both the technical as well as the commercial aspects of the latest pipe technology, ie molecular-oriented pipes.

ANNOUNCEMENTS TO NOTE:

- Nonmembers may also attend the talk but will need to pay a registration fee of RM50 and an administrative fee of RM15. GST is inclusive.
- Limited seats are available on a "first come first served" basis (maximum 100 participants). To secure your seat, kindly register online at www.myiem.org.my.

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of RM15 is payable for talks organized by IEM. GST is inclusive.
- Student Members are however exempted.

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