



The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor Darul Ehsan
Tel : 03-79684001/2 Fax : 03-79577678 E-mail : sec@iem.org.my IEM Homepage: <http://www.iem.org.my>

Talk on “Smart Water Management in Vertical & Roof Top Gardens Using Hydrophilic Soilless Technology”

(Organised by the Building Services Technical Division, IEM)
BEM Approved CPD/PDP Hours: Applying

Date : ~~5th October 2016 (Wednesday)~~ – **POSTPONED UNTIL FURTHER NOTICE**
Venue : **C&S and TUS Lecture Room, 2nd Floor, Wisma IEM, Petaling Jaya**
Time : **5.30 p.m – 7.30 p.m.**
Speaker : **Mr. Jay Achamby**

SYNOPSIS

The latest technology of structural media to be presented here is a smart water management system with optimum mix of air and water to ensure perfect plant growth. Together with automatic irrigation, it provides minimum maintenance and enables the reuse of rainwater or treated storm water for vertical and rooftop greenery.

- Further technology employed includes a sensor to monitor the moist content which can be access thru smart devices from the comfort of your home.
- Alternatively the system can be engineered as greywater treatment for non-potable use in washing car and flushing.
- The re-cycled water is best used for gardening and greening the city with landscapes, green roofs and green walls or eventually urban farming in order to conserve potable water.
- By selecting the right plant species, green roofs and vertical walls can be doubled up to become an organic greywater treatment system to treat effluents from laundry and domestic discharges.
- Energy saving is indirectly resulted by having these green roofs and vertical gardens to cool down the building and lower the ambient temperature.
- The presentation will finish with a description of the technologies and case studies promoted by Ecoclean using a soilless vertical garden system powered by a patented technology called Vydro Substrate.

ABOUT THE SPEAKER:



Jay has studied Bachelor of Theology from the University of Sheffields, UK. He furthered his study later and graduated from University of Wales, UK with a Masters degree in Missional Leadership. He has more than 8 years expérence in pioneering and managing Community Development projects in London and Sheffield for marginalized community members. He also runs a community centre in Dengkil empowering single mothers and troubled youths to acquire skills in horticulture and eco engineering products powered by Vydro and ELT Systems. He set-up a biotech lab with a team of microbiologist for effective microbes and bio energy crops range of products and services in Kolkatta, India (Symbio Greentech Pvt Ltd).

Ir. Wong Win Heng
Chairman
Building Services Technical Division, IEM
Session 2016 / 2017

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- Non members may also attend the talk but will need to pay a registration fee of RM50 and an administrative fee of RM15. GST is inclusive.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
- ***IEM members who fail to produce their membership cards will be charged a fee of RM25.00. GST is inclusive.***

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of RM15 is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

CPD HOURS CONFIRMATION

Name:

Membership No:

Signature: