



THE INSTITUTION OF ENGINEERS, MALAYSIA

Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223,46720 Petaling Jaya, Selangor Darul Ehsan

Tel: 03-79684001/2 Fax: 03-79577678 E-mail: sec@iem.org.my

IEM Homepage: <http://www.myiem.org.my>

Talk on Smart Waste Management System: Industrial Revolution 4.0

organised by :

Environmental Engineering & Chemical Engineering Technical Division, IEM

and

Department of Chemical and Environmental Engineering, Faculty of Engineering, UPM

BEM Approved CPD/PDP Hours: 2

Ref. No. IEM19/HQ/166/T

Date : 27th April 2019 (Saturday)
Time : 10.00am – 12.00noon (Refreshments will be served at 9.30am)
Venue : Bilik Persidangan Jurutera (Galeri 2), Faculty of Engineering, UPM
Speaker : Maj (Rtd) Ir. Alex Chew

SYNOPSIS

Waste Management has becoming more complex to manage with the recent tight regulation imposed by the government. Kementerian Perumahan dan Kerajaan Tempatan through Solidwaste Corp has appointed 3 main concessionaires particularly Alam Flora, E-Idaman and Southern Waste Management to spear head the Waste Management program in Malaysia.

Smart Waste Management system is introduced around the world. With the recent introduction of Industrial Revolution 4.0 in Malaysia, waste management system can be integrated together to provide a more efficient waste handling. Underground bins, vacuum system, high compaction system, Spiral Waste bin are the modern way of waste storage system. Waste can be transferred into modern waste transportation vehicles which comprises of Single Piece Rear End Loader, Hooklift system and special designed trailers to landfill. By incorporating sensors into the waste system, these data's can be shared through cloud computing making operation planning efficient and reduce CO2 emission

SPEAKER BIODATA



Maj (Rtd) Ir Alex Chew, a Graduate Mechanical Engineer, is a Registered Professional Engineer with Practicing Certificate, Board of Engineers Malaysia, a Corporate Member of The Institution of Engineers Malaysia. He is also a License Aircraft Engineer (LAE) with more than 10 years in Aviation industry. Upon his retirement with the RMAF, he has been appointed as the Managing Director of APLUS MANUFACTURING SDN BHD since 2016.

He has more than 6 years of practical industrial experiences in designing and developing waste management system solutions. To date, he has developed smart waste solutions to integrate with the recent technology of Industrial Revolution 4.0 and these systems have been implemented locally.

FEE ANNOUNCEMENT (Effective: 1st October 2017)

Members:

- (i) Registration Fee: No Charge
- (ii) Administrative Fee:
 - (a) Online RM15
 - (b) Walk-In RM20

Non-Members:

- (i) Registration Fee: RM50
- (ii) Administrative Fee: RM20

- 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

Personal Data Protection Act:

I have read and understood IEM's Personal Data Protection Notice published on IEM's website at www.myiem.org.my and I agree to IEM's use and processing of my personal data.

CPD Hours Validation:

Name:

Membership No.:

Signature:

Ir. Choo Chee Ming
 Chairman
 Environmental Engineering Technical Division

Ir. Dr Lee Tin Sin
 Chairman
 Chemical Engineering Technical Division