



The Institution of Engineers, Malaysia

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Talk on “Latest Development and Update on Biogas for Palm Oil Mills”

Organised by the Environmental Engineering Technical Division, IEM
BEM Approved CPD/PDP Hours: 2 Ref No: IEM14/HQ/227/T

Date: 23 July 2014 (Wednesday)
Time: 5.30pm – 7.30pm
(Refreshments will be served at 5.00 pm)
Venue: TUS/C&S Lecture Room,
2nd Floor, Wisma IEM, Petaling Jaya
Speaker: Mr. B. P. Chow

SYNOPSIS

The Malaysian Government is encouraging the Palm Oil industry to reduce its carbon footprint. Therefore all Palm Oil Mills in Malaysia are required to install biogas system by 2020. Conventional biogas technology had been around for more than 20 years. However with the Feed-in-Tariff program, there is a need to develop higher efficiency Biogas system.

Anaerobic Membrane Bioreactors have been proven to be a very stable system and capable of producing more biogas when treating palm oil effluent. This would result in higher power output as well as the aerobic membrane bioreactors can be used to ensure that the final discharge is capable of meeting final effluent discharge with BOD < 20mg/l.

Besides power generation, the biogas can be further purified to convert biogas into Compressed Natural Gas (CNG) to operate the fleet of trucks for the Oil Palm Plantation companies. This would reduce diesel consumption and thereby generate additional revenue of more than RM 9m per year for an average Mill.

BIODATA OF SPEAKER

Mr.B. P. Chow is a Chemical Engineering graduate from the University of Birmingham. He is a Fellow of the Institution of Chemical Engineers (IChemE) as well as a Chartered Engineer. Presently he is the Past Chairman of IChemE Malaysia. He had more than 35 years of working experience primarily in the Palm Oil, Water & Wastewater business. He had been instrumental in pioneering the use of anaerobic Membrane Bioreactor technology for the Palm Oil Industry as well as the conversion of Biogas into CNG.

Ir. Fan Hong Poh
Chairman
Environmental Engineering Technical Division, IEM

ANNOUNCEMENTS TO NOTE

- Talk is for IEM members only (pre-registration and online registration are **NOT** required).
- Telephone and/or fax reservation will **NOT** be entertained.
- Non members may also attend the talk and will be charged a registration fee of RM50 and an administrative fee of RM10.
- For affiliate members, there will be no registration fee. However, they are requested to produce their membership card as proof of membership. For the list of affiliates, please refer www.myiem.org.my/content/memorandum_of_understanding-469.aspx.
- Limited seats available on a "first come first served" basis (maximum 110 participants).
- IEM members are required to produce their 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 RM20.00.

FUNDS FOR IEM BUILDING FUND (WISMA IEM)

- Kindly be informed that IEM will be charging participants RM10.00 administrative fee for talks organized by IEM.
- The fee would be used for overhead costs, building maintenance expenses as well as to support the purchase of the new building.
- All contributions will be deeply appreciated by IEM.
- Students are however exempted.

Your understanding is greatly appreciated.

CPD HOURS CONFIRMATION

Name:

Membership No:

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