



# THE INSTITUTION OF ENGINEERS, MALAYSIA

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## Visit to Havys Biogas Plant in Palong, Negeri Sembilan

(Organized by Agricultural and Food Engineering Technical Division)  
BEM Approved CPD/ PDP Hours: 2 Hours Ref. No.: IEM14/HQ/265/V

Date : 6 September 2014 (Saturday)  
Time : 8.30 am – 5.30 pm  
Venue : Havys Oil Mill Sdn Bhd, KM32, Bahau-Keratong Highway,  
Bera Pahang, 72100 Bahau, Negeri Sembilan.  
Transport : Coach will be provided. (Coach will depart at 9.00 am sharp)  
Attire : Comfortable

### SYNOPSIS

The technology of biogas plant contributes to CO<sub>2</sub> emission reduction, while providing potential energy resources for heating and power generation. A stable functioning biogas plant is necessary for a peace of mind and also guarantees a good investment. An experienced operation team with competent application engineers could provide a full range of services for the establishment of efficient biogas plant which transforms climate change liabilities into a revenue generating asset. Participants will be introduced to the following elements during the visit:

#### Project Planning

Project site assessment  
Biological input analysis  
Profitability analysis

#### Project Development and Engineering

Project site survey and permit planning  
System design and engineering  
Procurement and tendering

#### Project Implementation

Project management  
Construction and installation  
Quality assurance and quality check

#### Testing and Commissioning

Technical and biological commissioning  
Project closure and audit  
Knowledge transfer and training

#### Operation Management

Performance monitoring and optimization  
Resources planning and management  
Process design and management

#### Other services

Examination of expansion possibilities  
Independent project advisory  
Project financing support

#### **Key features of Cenergi's Biogas Plant:**

- Higher alkalinity result in a more robust digester
- Longer wastewater retention time results in a higher degree of stabilization
- Lower energy requirement and maintenance cost
- Sludge are kept in suspension by robust end energy-efficient hydraulic mixers
- Low methane emission in normal operation with biogas storage
- High biogas yield
- COD removal efficiency >90%

#### **ITINERARY**

8:30 am	Registration at IEM
9:00 am	Depart from IEM to Havys Biogas Plant, Palong, Negeri Sembilan
12:00 pm	Arrive at Biogas Plant followed by welcome address by Operation Manager and Introduction of the Biogas Plant
12:30 pm	Lunch
1:00 pm	Biogas Plant tour / Q&A session
2:30 pm	End of Visit (Depart Palong to IEM)
5:30 pm	Arrive IEM

The visit is strictly limited to only **thirty (30) participants** registered on a **first come, first served** basis. Interested members could

- register and pay online at IEM website (<http://www.myiem.org.my>); OR
- register by returning the appended registration form by **3 September 2014 (Wednesday) together with the payment.**

**Commitment Fees  
(Non refundable & non transferable)**

IEM Member : RM 50.00  
Non IEM Member : RM 80.00

**CLOSING DATE 3 SEPTEMBER 2014**

- ✓ Cheques are to be made payable to "The Institution of Engineers, Malaysia".
- ✓ **The commitment fee must be settled prior to the visit.**
- ✓ After this closing date, IEM reserves the right to allocate seats on first come first pay basis.
- ✓ Members are also reminded that if a place is reserved, IEM may cancel the reservation if payment is not received.
- ✓ If IEM maintained the reserved seat and the intending participant failed to attend the visit on the date of the event, the fee will still have to be settled in full.

**Ir. Dr. Chin Nyuk Ling**  
Chairman,  
Agricultural and Food Engineering Technical Division, IEM

**REPLY SLIP**

Chairman,  
Agricultural and Food Engineering Technical Division, IEM

I wish to participate in **Technical Visit to Havys Oil Mill Sdn Bhd on 6 September 2014, Saturday** organized by Agricultural and Food Engineering Technical Division, IEM. I enclosed herewith the payment proof of RM \_\_\_\_\_ commitment fee for the visit. I will be participating in the visit at my own risk and hereby indemnify IEM fully from all claims arising from any injury, damage or loss that may be sustained by me.

Name:	Membership Number:
Email Address :  (please write clearly as the confirmation letter will be sent via email)	Contact Number:
Company Name:	Signature: