

TECHNICAL VISIT TO SYNGAS (WASTE TO ENERGY) FACILITY & DRAWBRIDGE, KUALA TERENGGANU

(Jointly Organised by: Highway & Transportation Engineering and Environmental Engineering Technical Divisions)

BEM Approved CPD/PDP hours: 7.5 Ref. No.: IEM19/HQ/360/V

Date : 18th & 19th Aug 2019 (Sunday & Monday)
Time : (18th Aug 2019) 6.30am to 8.00pm (19th Aug 2019)
 (Assemble at Bangunan Ingenieur by 6.15am)
Venue Day 1 : Kawasan Perindustrian Gong Badak, 21300 Kuala Terengganu
Venue Day 2 : ECERDC Regional Office, Kuala Terengganu & KTCC Drawbridge Site
Transport : Coach will be provided

COMMITMENT FEE (Inclusive 6% SST)
(Non- refundable & Non- transferable)
 IEM Member: RM106.00
 Non -Member: RM127.20

SYNOPSIS

SYNGAS SDN BHD (Syngas) is a Manufacturing, and Research and Development Company located in Kapar, Selangor. The Syngas CONVERSION MACHINE, the machine that can convert waste plastic to diesel oil, Light Ultra Low Sulfur Diesel Fuel has been successfully awarded and registered with the Malaysia Commissioner of Patents and Trade Marks (MyIPO) under Section 31 (2) Patents Act 1983 No. MY-150550-A on 30th January 2014 and registered patents in 60 countries around the world.

Syngas Sdn Bhd is subsidiary of Mensilin Green Energy Sdn Bhd (MGE). Via MGE, the technology will be deployed in United Kingdom and Europe and explore possibility of implementing project in those countries.

SYNGAS TECHNOLOGY

The Syngas Plastic to Oil Conversion System is an innovative, proprietary process to convert waste plastics into renewable energy namely, Diesel Oil. The Syngas Plastic to Oil Conversion System uses a process called fractional de-polymerization process to efficiently convert plastics to crude oil and further process to produce diesel oil. The system provides an integrated plastic waste processing system which offers an alternative to landfill disposal, incineration, and recycling – while also being a viable, economical, and environmentally-responsible waste management solution.

KUALA TERENGGANU CITY CENTRE (KTCC) is an integrated, active urban development which combines the unique features of Terengganu's heritage as "Bandar Warisan Pesisir Air". The KTCC development, which comprises the Muara Utara and Muara Selatan will include culture, arts and heritage components.

The **Drawbridge**, which is part of KTCC linking Muara Utara and Muara Selatan, together with the KTCC-Airport Road, will become a catalyst for private investments and stimulate development in KTCC by significantly enhancing connectivity between KTCC and the Sultan Mahmud Airport. The Drawbridge, which is a first-of-its-kind in the region and also an iconic structure in Kuala Terengganu, will improve traffic flow in KTCC and provide quick access to the airport. It will shorten the journey from Kuala Terengganu to the Sultan Mahmud Airport to approximately 15 minutes and this will be a significant tourism boost. KTCC is expected to become the gateway to islands and beaches in Terengganu and extend the Kuala Terengganu city to Kuala Nerus in the future. This is expected to accelerate socio-economic development in Terengganu and benefit the *rakyat* through the creation of jobs and entrepreneurial opportunities.

TIME	TENTATIVE PROGRAMME (DAY 1)
6.15am – 6.30am	Registration at IEM Bangunan Ingenieur, PJ
6.30am – 12.30pm	Depart from IEM to Kuala Terengganu
12.30pm – 1.30pm	Lunch at Kuala Terengganu
1.30pm – 2.00pm	Arrival at Syngas Facility
2.00pm – 2.30pm	Introduction of Syngas Technology
2.30pm – 3.30pm	Briefing on Distillation Process of Crude Oil
3.30pm – 4.00pm	Refreshment
4.00pm – 5.00pm	Tour to operation Syngas Technology & Distillation Process
5.00pm – 5.30pm	Q&A Session
5.30pm	Dismiss and proceed to check in hotel ➤ Free n Easy ➤ May have night visit to Drawbridge

TIME	TENTATIVE PROGRAMME (DAY 2)
8.00am – 9.00am	Assemble in Hotel Lobby to leave for the Drawbridge Site
9.00am – 10.45am	Short Briefing and Q&A Session on Drawbridge
10.45am – 1.00pm	Tour to Drawbridge
1.00pm	Dismiss, Lunch and Bus departure to PJ
About 8.00pm	Arrive in IEM PJ

REFER PAGE 2 FOR ACCOMODATION ARRANGEMENT

- The visit is strictly limited to only forty (40) participants registered and fully paid 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 **9th August 2019** together with the payment
- 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 paid 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.

- REPLY SLIP – Phone No: 03-79684001/02 Fax: 03-7957 7678 Email to: roselein@iem.org.my /ezzaty@iem.org.my

Chairman, Highway & Transportation Engineering Technical Division and Chairman, Environmental Engineering Technical Division
The Institution of Engineers, Malaysia

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I wish to participate in the above visit on **18th & 19th August 2019**. I enclosed herewith a cheque No.....for the amount of RM..... as my commitment fee for the visit.

Name :.....Membership:..... Grade:.....

Company :..... Designation:.....

Contact Number:..... IC Number:..... Address:

I will be participating in the visit on my own risk and hereby indemnify fully the IEM from all claims arising from any injury, damage or loss that may be sustained by me.

.....
Date

.....
Signature

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.

*Please bring along this flyer for confirmation of attendance
(Photostat copies are acceptable)*

MATTER TO NOTE FOR ACCOMODATION

The visit shall be requiring a night stay (**18th August 2019**) in **Hotel Grand Continental, Kuala Terengganu** and accommodation shall be arranged by the organizing committee. Please indicate below (v) accurately.

Choice of room occupancy – Hotel Grand Continental, Kuala Terengganu

Rooms	Rate	Name
Standard Studio (with breakfast)	RM 220.00	1.
Standard Twin (with breakfast)	RM 210.00	1. 2.

Please make payment to “The Institution of Engineers, Malaysia” via cheque or cash not later than **9th August 2019**.

Note:

(**) Please note that you may choose the participant who is sharing with you; to specify your partner in advance, if not, assignment of the sharing partner will be at the committee's discretion.

This application form **MUST** be submitted together with full payment.