

## Technical Visit to ASB Biodiesel Plant

**30 November 2013 (Saturday)**

The Energy Institute Hong Kong and the Hong Kong Association of Energy Engineers are jointly organized a technical visit to the ASB Biodiesel Plant<sup>1</sup> in Tseung Kwan O managed by ASB Biodiesel (HK) Ltd. This Visit will let the participants to learn more about the design and operation of a biodiesel plant and related issues. Please refer to P.2 for the background information of the site.

EI and HKAEE members and their guests are cordially invited to join the visit with details as below.

**Date:** 30 November 2013 (Saturday)      **Time:** 0900 to 1215

**Schedule:**

0900      Assembly at 森麻實道耀中國國際學校(小學部) [近九龍塘鐵路站] for coach pick-up  
0910(Sharp) Travel by coach to the Site  
0930 - 1130 Technical visit  
1130 - 1140 Round up  
1140      Depart from the Plant  
1215      Arrived at Kowloon Tong MTR station and dismissal

**Fee:** Free of charge

**CPD:** e-CPD attendance certificate will be issued to attendees.

**Registration:**

Please register on-line through <http://goo.gl/VPqTFM> (copy this link and paste on the browser should it cannot be linked directly) on or before 15 November 2013. Registration confirmation will be sent by 18 November 2013.

**Maximum number of participants:** 25 persons on a first-come, first-served basis.

**Enquiries:** Please contact Ms April Li via email: [aprilagc@gmail.com](mailto:aprilagc@gmail.com) or tel: 2967 8855.



## **ASB Biodiesel Plant in Hong Kong**

The ASB Biodiesel Plant located at Tseung Kwan O Science Park will soon become the largest biodiesel factory in Hong Kong. The construction cost of this plant is US\$ 165 million. It targets to capture the domestic market for converting gutter and waste oil into feedstock. The plant is capable to churn out 100,000 tonnes of biodiesel per year. The plant can refine 200,750 tonnes per year of grease trap waste into pure “B100” biodiesel blends for construction, transport and later, petrol companies. About 95 litres of biodiesel can be produced with every 100 litres of waste oil.

Producing biodiesel with waste oil retrieved from restaurant grease traps is more environmental friendly and economically feasible than regular diesel. Over thousands of restaurant in Hong Kong consume large amount of oil daily that need to be disposed. This plant not only helps to resolve food waste problem but also convert them into economically and environmentally valuable fuel. Historically, only very few companies produces biodiesel with waste oils.

In a long term planning, the CEO of the plant Mr. Dixon suggest the Hong Kong Government to consider implement a mandatory blend ratio for diesel vehicles. Unlike electrical vehicles, no charging stations will be needed and no engine modifications will be required. It brings a minimal impact to current transportation system.

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<sup>1</sup> *“As this Plant is classified as a Dangerous Goods storage area so all visitors must observe and follow the security and safety measures as laid down by the Plant’s Standing Instructions to be distributed upon arriving the Plant”.*