

Energy Institute (Hong Kong Branch) 能源學會(香港分會)

(Correspondence Address : Environmental Management Division, Hong Kong Productivity Council, 3/F, HKPC Building, 78 Tat Chee Avenue, Kowloon Tong, Kowloon, (Attn. : Mr. Raymond Fong at 2788 5629 or by fax at 2788 5608)

Incorporated by Royal Charter 2003

14 May 2009

Technical Tour and Outing: Green Junk Ride and Eco-Tour

Dear EI(HK) Member,

Have you seen the following Aviva Green Junk? It is the first boat in Hong Kong equipped with multiple devices to achieve high environmental performance and promote green awareness. We are organising a Green Junk Tour for the EI(HK) Members. In this tour, you will learn how renewable energy converters, energy-efficient equipment, air monitoring instrument, etc. are practically applied on boat. We shall also take a boat ride to nearby outlying island to have a touch of the nature.



Features of Aviva Green Junk:

- 1 Use of biodiesel to substitute conventional diesel
Biodiesel is a renewable fuel that can reduce the emissions from diesel engines, such as dark smoke, hydrocarbon and carbon monoxide. It also creates less pollution to the seawater as it is biodegradable.
- 2 Renewable energy by solar photovoltaic (PV) panels
Solar PV panels can be installed on board to harness solar energy. The electricity generated can be used to charge up the battery system for multiple purposes.
- 3 Renewable energy by micro wind turbines
Micro wind turbines are suitable for small-scale application such as in a junk environment. A micro wind turbine system is installed on board so as to generate electricity to charge the battery system.

- 4 High energy efficiency by heat pump water heater/air-conditioner
The heat pump water heater/air-conditioner is a device that can produce hot water (>50°C) for shower, cooking, cleaning, as well as cool air for space conditioning simultaneously. It is highly energy efficient.
- 5 Use of induction cooking appliances
Replace the existing electric hot plates and gas appliances on board by induction cooking appliances which are more energy-efficient. They are also safer to use.
- 6 Use of energy efficient lighting
Existing lights are replaced by energy-efficient LED and fluorescent lamps. Using optical fibers, sunlight could be routed from the deck into other parts of the junk for illumination.
- 7 LED message display board for weather/air quality information
It is used to display the ambient weather and pollution data, such as temperature, humidity, Respirable Suspended Particulates (RSP) and ozone levels captured by meteorological and simple air quality monitoring devices installed on board. In addition, the LED display will also show some environmental tips to encourage people to adopt an energy efficient lifestyle. The electricity generated from the renewable energy devices on board is used to power up the system.
- 8 Small boat modification
An electric motor is installed to the small boat to run on electricity from rechargeable battery. The battery can be recharged from the energy produced from the renewable energy systems on board.

Tentative timetable of junk tour:

Date: June 13, 2009 (Sat)

Time	Activity
9:20AM - 9:30AM	Gathering and boarding at Noonday Gun Causeway Bay Typhoon Shelter
9:30AM - 10:15AM	Ride to Lamma Island During the ride, the green features of the Aviva Green Junk will be introduced and the participants can walk around to take a close look of the devices.
10:15 AM - 12:00 Noon	Arrive Lamma Island Eco-tour route: Yung Shue Wan Ferry Pier → Yung Shue Wan Tin Hau Temple → Hung Shing Yeh Beach → Tree Planting Site Pavilion → Lo So Shing School → Sok Kwu Wan Tin Hau Temple → Sok Kwu Wan Ferry Pier
12:00 Noon - 1:15 PM	Lunch
1:15 PM - 2:00 PM	Boarding and ride back to Noonday Gun Causeway Bay Typhoon Shelter

Fee:

The fee is HK\$50 for EI Member (including refreshment and lunch).

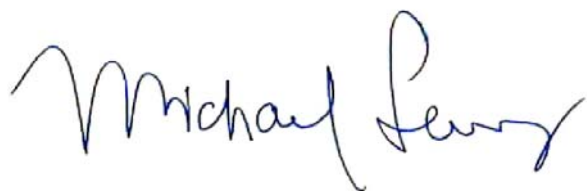
Registration:

We accept maximum 30 participants on a first-come-first-served basis. Reservation can be made by submitting a completed registration form via fax or email. If you are among the first 30 registrations, we shall reply you and request your payment by sending a \$50 cheque payable to “Energy Institute (Hong Kong Branch)” to our EI(HK) Vice Chairman, Mr. Raymond Fong, Environmental Management Division, Hong Kong Productivity Council, 3/F, HKPC Building, 78 Tat Chee Avenue, Kowloon Tong, Kowloon.

Enquiry:

Mr. Gary Chiang, Honorary Secretary (Tel: 2678 6281, Email: secretary@energyinst.org.hk)

Sincerely yours,



Michael K.H. Leung
Chairman



Energy Institute (Hong Kong Branch)
能源學會(香港分會)

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Registration Form

For registration, please complete this registration form and return it to Mr. Gary Chiang, Honorary Secretary, by email: secretary@energyinst.org.hk or fax: 2678 7215 on or before 31 May 2009. We shall accept maximum 30 participants and successful registration will be given on a first-come-first-serve basis. We shall give you a confirmation via email or phone.

To: Mr. Gary Chiang – Honorary Secretary

Name: _____

EI Membership No. : _____

Mobile/Tel. : _____

E-mail: _____