

## **Technical Visit**

### **“Food Waste Recycling Pilot Plant and Unmanned Surface Vehicle (USV) at Zhuhai, Mainland China”**

The technical visit will be jointly organized by CIWEM HK, EAHK Chapter, HKIQEP and ETS Centre of HKPC

#### **Date, Time & Venue**

29 June 2019 (Saturday); 8:00 am – 6:00 pm

Coach will be arranged to travel to and from Zhuhai via Hong Kong-Zhuhai-Macao Bridge (HZMB); both assembly and dismissal places at the entrance of Hong Kong Productivity Council, 78 Tat Chee Avenue, Kowloon

#### **Programme Highlights:**

A) **Food Waste Recycling Pilot Plant:** This food waste recycling pilot plant (1 tonne/day) was jointly set up by the Environmental Technology and Solution Centre (ETS Centre) of Hong Kong Productivity Council (HKPC) and Associated Engineers Limited (AEL) in Zhuhai in 2018 to demonstrate the innovative “3-step Zero Effluent Discharge Food Waste Total Recycling Process” developed by HKPC to convert food waste into high market value products including biogas and protein-rich animal feed. This patented technology has got a number of local and international awards, including Gold Medal with Congratulations of the Jury in the 45th Geneva International Exhibition of Inventions 2017 and the Innovation Award at the 2017 Institution of Engineering and Technology in London.

B) **Unmanned Surface Vehicle (USV)** is a professional robot working on the water surface. It has demonstrated more and more benefits to various environmental application areas, such as water sampling, water quality monitoring, water surface cleaning, and nuclear radiation monitoring etc. YunZhou is the world-leading USV solution provider. Since 2010, YunZhou’s USV have already served numerous clients from industry, governments, research institutes and universities worldwide.

#### **Registration & Enquiries**

**Fee:** HK\$125 for transport and luncheon.

The number of participants is limited to 12, and priority will be given to EAHK members. Successful applicants will only be confirmed by Dr. Alex Cheung (Phone: 9832 5750)

The deadline for registration is 17 June 2019. Only registration form with all entries duly completed will be processed. Successful applicants will be notified by email individually on or before 17 June 2019 for payment. **Valid travel document is required.**

For registration, please complete the online registration via:

<https://portal.engineersaustralia.org.au/event/login/5CFB2275-BEF4-4911-AFC4-1DDFF983F56F>

Notes:

1. The host organizer has the right to change the itinerary without prior notice. For personal interest, the participants should purchase his own insurance. Please note that neither the host organizers nor the parties concerned accept any liability in connection with the visit.
2. All personal data collected in the registration form will only be used in processing the application of this event, and will be destroyed immediately after the event.
3. Adverse weather arrangement: this event will be cancelled if a typhoon signal No. 8 or above, or the black rainstorm warning is issued within 2 hours before the assembly time or during the event. The host organizers will notify the participants of the subsequent arrangements accordingly.

For enquiries, please contact Dr Alex Cheung at 9832 5750 or by email: keawhc@gmail.com.

### **Form of Undertaking**

I fully understand and willingly accept that any invitation or permission gives to me to the tour shall be subject to but not exclusive to the following conditions:-

1. Engineers Australia, Hong Kong Chapter (EAHK) and/or the organizer(s) shall owe no common duty of care to any visitor in respect of risks or dangers arising from the state of the facilities, or execution of any work or the carrying out of any activities therein.
2. EAHK and/or the organizer(s) shall be absolved from all liabilities arising out of any incident or accidents causing loss, damage or personal injury (whether fatal or otherwise) howsoever caused to the visitor and whether the same is caused by negligence or not.

I am also fully aware that the signing of this Form of Undertaking by me shall be indicate my acceptance of any risk or danger encountered due to the technical visit dated 29 June 2019.

Signature: \_\_\_\_\_

Full Name as shown in HKID: \_\_\_\_\_