

Site visit to the Restored Tseung Kwan O Stage II/III Landfill

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On 23 December 2015, about 20 HKU engineering students attended a technical visit to the restored Tseung Kwan O Stage II/III Landfill (TKOL-II/III) which is now under the management of the Environmental Protection Department (EPD). With the support of Ir Dr. Ivan Lau, the site visit was organised by the Project Mingde Student Association.



Figure 1 Technical seminar

We visited the landfill utilities, such as the landfill gas and leachate treatment compound. We learnt that the landfill gas was utilized for generating electricity for site facilities, as well as thermal power for the operation of leachate treatment plant. The Contract Manager of the site, Ir M H Law, was so kind to deliver a technical seminar to us on the design, build and operation of the restored landfill site in details with special focus on the engineering technologies.

The TKOL-II/III has been fully restored and it is now safe for afteruse developments. EPD has granted the HK Air Cadet Corps permission to use the upper platform temporarily as a model aeroplane training field during Saturdays, Sundays and Public Holidays. The platform is also used as a training field for Unmanned Aerial Vehicle (UAV) for land surveying by Civil Engineering and Development Department (CEDD).

On top of the landfill utilities, UAV aerial photography demonstration was conducted by CEDD to showcase the use of Unmanned Aerial Vehicle in civil engineering projects and land surveying works.

The technical visit was well received by all participants. Through the visit, we have acquired more understanding about engineering technologies in landfill restoration and UAV aerial photography.



Figure 2 UAV aerial photography demonstration