



# URBAN CENTRALIZED TREATMENT PLANTS

## INTRODUCTION

MORE than 500 sewage treatment plants (STP) in the Klang Valley will be decommissioned as part of Indah Water Konsortium Sdn Bhd's (IWK) effort in rationalising its efficiency from 2016. Out of this, 80 STPs will be upgraded to centralised plants to cater for the growing population in the Klang Valley. 521 STPs would be closed and the sewage from these plants will be rechannelled to bigger-capacity regional STPs. Some of the treatment plants were built back in the 1950s thus are unable to support the growing development in Klang Valley. Join us on an exploration of these amazing treatment plants that help not only the people but the environment.

The country's first underground sewage treatment plant is the construction of the Pantai 2 Sewage Treatment Plant (P2STP), which is equipped with state-of-the-art green technology. It is the biggest STP in Asia Pacific. This plant could cater to the growing population until 2035. The plant is able to receive the sewage flow from a 6,700ha Pantai catchment covering central and south-western parts of Kuala Lumpur including Bandar Baru Sentul, the proposed Sentul Raya Development, Central Business District, Bukit Kiara, the Botanical Gardens and a portion of Petaling Jaya. One of the main highlights of the project is the planned above-ground public facilities, which includes a community hall, jogging track and sports courts for tennis, basketball, futsal and football. The P2STP also features various green technologies including utilising the skylight concept for the underground plant, effluent reuse, rainwater harvesting and the use of biogas and solar panels to generate electricity. The plant also uses energy-efficient equipment to reduce the amount of electricity consumed.

## TRAINING STRATEGY

Theory, requirements, specification and hands-on application training, live demonstration as well as real on site simulation could be used to complement and facilitate training and teaching at the Indah Water Training Centre or onsite or offsite. This is made possible by proper plan and wide variety of fecal sludge treatment facilities in different parts of the country. The treatment systems available also provide theoretical lecture room and an experimental practical trial and safer hands on training activity at mock sewerage facilities. The mock sewerage facilities allow participants to experience the closest-to-real working situation.

## UCTP CONTENT

The UCTP training includes:

- Introduction of sewage and Malaysia historical sanitation journey; which explores the evolution of technology used up to today.
- Briefing on Operational, Customer Relations, Finance related Case Studies
- Supervisory control and data acquisition (SCADA) room, which is deemed as the "brain" of the plant and underground facilities



## SERVICES

2 coffee breaks  
 Lunch  
 A variety of menu offered  
 6 rooms  
 157 person occupancy  
 Material production  
 Audio  
 Visual  
 Free Wifi  
 Free parking  
 Study Tour of Treatment Plant KLR340  
 Mock Up facilities

Monday to Sunday  
 Nearby Light Rail Transit (LRT) Bukit Jalil Station  
 Onsite visits to Sewerage Treatment Plants  
 Consultation  
 Study tours  
 Exploration visits

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## TARGET AUDIENCE

Facilitators  
Lecturers  
Non Government Organizations  
Trainers

Government Agencies  
Multi-National Companies  
Private Organization

## COURSE FEE

3 days training for 10 pax, at **RM3000 per pax**

Course fee includes:

Airport pick-up to hotel and return

F&B during training

Transportation to training site, site visits and return to hotel

Trainers fee

(Exclude Accommodation fee)

Site visit and demo staff fee

Training Facilities Fee

Training Modules fee

Admin and printing fee

6% Government Tax