



Malaysian Geotechnical Society

WEBINAR ON EXPERIENCES SHARING OF DEEP EXCAVATIONS IN SINGAPORE

CPD Hours Approved: 1 Ref: IEM21/PP/002/T (w)

13 April 2021 (Tuesday), 5.00 pm – 6.00 pm

SPEAKER'S BIODATA



Dr. Ooi Poh Hai has graduated from University of Technology Malaysia (UTM) in 2001 with 1st Class Honours bachelor's degree in civil engineering. He has then pursued his post graduate studies in National University of Singapore (NUS) and graduated in 2007 with doctorate degree specialised in Geotechnical Engineering. In year 2014, Dr. Ooi has obtained practising certificate as Professional Engineer (Civil) and Specialist Professional Engineer (Geotechnical) in Singapore.

After his graduation from NUS, Dr. Ooi has worked in consultancy sector in Singapore until to date. He has 15 years of practising experience ranging from project management, planning, analytical, design and construction in the field of foundations, deep excavations, tunnelling in Singapore as well as internationally.

SYNOPSIS

This evening talk presents the personal experiences of the presenter for challenging deep excavation projects in built-up area of Singapore. From the aspects of designs and constructions and measures to prevent excessive impacts to surrounding existing structures.

Two projects will be presented in this evening talk.

1) The first project is commercial development in Changi with 5 basements, in close proximity to critical aviation buildings and facilities. In addition to the excavation system, the talk will cover briefly on the innovative foundation system as well that results in significant cost and construction time savings

2) The second project is a redevelopment commercial building. The main challenge of this project is the involvement of demolition of existing basement and construction of new basement simultaneously. Close collaboration between builder and designer is essential to develop a detailed construction sequences for safe, robust and optimize execution of the demolition and construction works. Constant design adjustment is crucial to accommodate actual site and as-built condition of existing structures. Moreover, the project is located in densely developed downtown of Singapore in vicinity shopping malls, office tower and government buildings.

Registration Fee

MGS / IEM Members: **Free** Non Members : **RM20.00**

[Click here to register](#)

The Zoom link will be emailed to the registered participants prior to the event.

Non members may pay the registration fee of RM20.00 per person to:

Payee: **Pertubuhan Geoteknikal Malaysia or Malaysian Geotechnical Society**

Bank Account No: **28100012316**

Bank Name: **Hong Leong Bank Berhad**

Please email the payment proof for verification purpose and for the issuance of the official receipt.

Ir. Liew Shaw Shong
President
Malaysian Geotechnical Society



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