

Webinar Talk on “Basement Excavation and Foundation Design for Bukit Bintang City Center (BBCC), Kuala Lumpur – Bridging Numerical Analysis and Measurement”

This presentation will talk about the pile foundation and deep excavation design for Bukit Bintang City Center project (formerly Pudu Jail). The development was flanked by KTM railway and monorail at the southwest and northwest direction and an underpass at the east. The presentation will highlight the low shaft and base resistance of the bored piles from the pile load tests and the various strengthening methods adopted to enable the excavation of seven-level basement in a 19.4 acres development including buttresses, passive basement frame system and ground anchors. Three-dimensional finite element models and the performance of the pile foundations and basement walls will be presented.



**OUR INVITED
SPEAKER**
Ir. ONG YIN HOE



Ir. Ong Yin Hoe (geotechnical engineer) has a Masters in geotechnical engineering from AIT and has worked as a geotechnical engineer for about 20 years including as resident engineer for foundation works including anchored contiguous bored pile wall, diaphragm walls, bored piles and jack – in piles. He has also been involved in the design of highways on soft ground. As well he has vast experience in three dimensional finite element analysis of tunnels, basement excavations and bored piles and has been involved in impact assessment of basement excavations on existing tunnels, underground rail stations and existing viaduct structures. He has been invited on several occasions to lecture at MIDAS conferences.

He is currently in the final stages of his Ph. D candidature (part time) at Universiti Teknologi Petronas.

He has authored of more than 10 papers on numerical methods and bored piles.

29 November 2021
(Monday)
5.00 p.m. – 7.00 p.m.
via ZOOM Platform

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CPD Hours : 2.0
CPD Ref. No. : IEM21/HQ/422/T(w)