Malaysian Geotechnical Society

WEBINAR (via Zoom) ORGANISED BY THE MALAYSIAN GEOTECHNICAL SOCIETY

Pre-AGM Talk

"Bored Piling Using Rotary Kelly Drilling
KLCC Lot L&M, A New World Record in Bored Piling Has Probably Been Set Again in Malaysia"

By
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Senior Adviser to Bauer (M) Sdn Bhd + Bauer Far East

SYNOPSIS

Large and deep Bored Piles are getting more and more common in modern Foundation Design and Construction. The fastest and most economic construction method for such piles is the Rotary Kelly Drilling Method. There is no official international list recording the deepest Foundation Piles in the World. Having said this, until today the barrette foundation for the Petronas Twin Towers (Kuala Lumpur) is being reported as the deepest foundation in the world. The barrettes for the Twin Towers reached a maximum depth between 120 to 130 m below ground level. The barrettes were constructed from a reduced level of about - 20 m making the installation depth to about 110 m. For the tallest building in the world, the Kingdom Tower in Jeddah, Bored Piles were installed up to 109 m deep. This probably is the deepest Bored Pile in the world for a Building but still short to break the depth of the barrettes for the Twin Towers in Kuala Lumpur. Now again in Kuala Lumpur, Arah Moden, a subsidiary company of KLCC Holding planned to build the Lot L&M Towers with an originally planned height of 800m. The foundation for these proposed Towers were anticipated to reach a depth of up to 150 m below ground level. The Foundation Package was awarded to Bauer (M) Sdn Bhd. The construction of the Diaphragm Wall and deep Foundation has been completed successfully beginning of 2020. The following talk will provide a brief introduction of the proposed Development, introduce the world's biggest Rotary Kelly Drilling Rig, BG 72, employed on this project, explains the difficult karst Geology on the site and the Engineer's Design Philosophy. In addition, the talk will report about some of the challenges the construction of such Mega-piles do cause and were successfully overcome.

ABOUT THE SPEAKER

Thomas Domanski currently holds the positions of Senior Consultant and Proprietor of TDA Geotechnical Services Sdn Bhd Malaysia, Senior Advisor to Bauer SE Asia Pacific, Managing Director of Bauer (M) Sdn Bhd from 1991 to 2020, Regional Director for Bauer SEAsia Pacific 2002 to 2020, Heading 8 Countries. He has a Master of Civil Engineering majoring in Geotechnical Works and Soil Mechanics in 1983 at the Technical University Braunschweig, Germany. He held the Singapore BCA required position of Technical Person and Approved Person for over 20 years. Thomas Domanski spent most of his professional life in South East Asia. In 1988 he joined the Bauer Spezialtiefbau GmbH, a worldwide specialist foundation contractor where he worked in total over 32 years for the Company. In July 2020 he retired from the Bauer Group and formed his own geotechnical Consultant firm TDA Geotechnical Services Sdn Bhd which will serve the market as bridging link between Design, Execution (Contracting) and academics /innovations. He is the author of many papers for international conferences to present his experience in ground improvement, deep piling works and retaining structures.

4 November 2020 (Wed) | 4.00 pm – 5.00 pm
CPD Hours Approved: 1 Ref:IEM20/PP/048/T (w)
MGS / IEM / GEOSS Member: Free
Non Member: RM20.00 per person

Limited to 500 participants only (first come basis). The Zoom link will be emailed to the successful registrants one day before the event.

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

Payee**: Pertubuhan Geoteknikal Malaysia or Malaysian Geotechnical Society**
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Ir. LIEW Shaw Shong
President
Malaysian Geotechnical Society

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