Webinar on

DESIGN AND CONSTRUCTION OF GEOTUBE® CONTAINMENT DYKE ON SOFT MARINE CLAY

DATE: 27 OCTOBER 2022 (THURSDAY) | TIME: 10.00 A.M. TO 12.00 NOON

SYNOPSIS

Geotextile containment has been used in a wide variety of hydraulic and marine engineering applications for many years. One of its forms is geotextile tubes, which is a long, tubular, sausage-like unit that can be formed in situ on land or in water. The geotextile tubes are made of permeable yet sand tight geotextile which allows hydraulic filling of sand into it. Geotextile tubes are often used for a range of marine engineering applications including revetments, offshore breakwaters, protection dykes, containment dykes, training walls and groynes. The speaker will share the design methodology of geotextile tubes with reference to three project case studies in Vietnam and Malaysia. The first case study is the usage of geotextile tubes for the construction of Lach Huyen bridge, the longest sea-crossing bridge in Vietnam. The second case study covers geotextile containment dykes constructed for the land reclamation in Deep C 2, part of the Deep C Industrial Zone in Vietnam. Lastly, the third case study explores the land reclamation of Sri Tanjung Pinang 2, Penang. As the geotextile tubes are exposed to an external environment throughout the construction period, it is crucial to ensure the geotextile tubes exhibit high resistance to UV degradation and weathering. The geotextile samples are extracted from respective sites to examine its durability.

Ir. Albert Lim is a professional engineer and is currently the Regional Manager for Tencate Geosynthetics Asia Sdn Bhd. As the Regional Lead, he drives the strategic plans for the Water and Environment Division, overlooking sales, product development, design and the marketing plans of Geosynthetics across Asia Pacific. He has a Master of Science from University of Mississippi, USA. He collaborates and is highly involved in research and development projects with renowned universities such as the National University of Singapore, Nanyang Technology University and Monash University. With 25 years of technical experience, he has authored and co-authored more than 30 technical papers for conferences locally and overseas.

REGISTRATION FEE (per person)
ACEM member firms - RM 20.00
Non-members - RM 50.00

Certificate of Attendance will be issued, subject to full attendance.

Please click link https://kliksini.my/ulh7v or scan QR code for ONLINE REGISTRATION

For further enquires, please contact the ACEM secretariat at tel. 012-5290031 or e-mail to vivien@acem.com.my