The Institution of Engineers, Malaysia

Organised by Geotechnical Engineering Technical Division

WEBINAR TALK ON DEEP SOIL MIXING (DSM) TECHNIQUES

BEM APPROVED CPD/PDP: APPLYING REF. NO.: APPLYING

SPEAKER :

ER. WILLIAM CHONG

21st October 2021, Thursday 3PM- 5PM

Registration Fees
(effective 1st August 2020)
Student Members: FOC
IEM Members : RM 15.00
IEM Non Members : RM 70.00
Register online I www.myiem.org.my

SYNOPSIS

Deep soil mixing (DSM) techniques is one of the common ground improvement technique in Malaysia. This technique involves in mixing the soil with chemical binder such as cement to form a high stiffness composite material. The main benefit of this technique is that it can be used in all type of challenging soil (e.g. estuarine or swamp) or on challenging geology (e.g. Karstic Formation). DSM can be adopted to improve soil bearing capacity, improve shear strength for slope stability or to act as a retaining wall. This webinar will be sharing a case study of using DSM as a temporary retaining wall for a 5 – 10m excavation works. The sharing will give an overview of the design method, prediction summary, construction challenges and monitoring results during excavation.

SPEAKER'S PROFILE

Er William Chong attained his degree in University Malayain 2001 and master degree in University Technology Malaysia and a registered professional engineer in Singapore under Professional Engineers Board (PEB) Singapore. He is currently appointed as Design Manager for oversea division at Keller which include Malaysia, Indonesia and Vietnam. Er William has over 10 years of design experience in rail infrastructure, ground improvement and other civil infrastructure environment. He has been involved in several iconic project such as RAPID package 6a & 11, West Coast Expressway in Malaysia, Changi Airport T5, Tuas reclamation in Singapore, Hoa Phat Steel Refinery Plant in Vietnam and Soekarno-Hatta Airport expansion in Indonesia.