

Online Seminar on

Helical Piles: A Quick & No Vibration Installation Versatile Piling System

CPD: 2

Ref. No.: IEM22/SWAK/186/T (w)

HELICAL
PILE + ANCHOR

IEM
The Institution of Engineers, Malaysia
SARAWAK BRANCH

About the Seminar

A helical pile/ anchor is screwed into the ground by torsion from a hydraulic machine, in simple say it is screwing a big screw into the soil. Helical piles can be extended by joining the steel extension shaft till a required depth or a suitable bearing soil stratum is reached. Load is transferred to the soil through the steel helix bearing plate. Pile sections are joined with bolted couplings.

Without augering out and removing the soil, the helix plate screw into the ground with the standard 3" pitch in minimizing soil disturbance. Its benefit of no vibration, no spoils and quick installation is an alternative piling foundation of micropile and jack in pile. Helical piles were initially used as anchors mostly, the usage has been developed for compression and lateral load. Remote areas of the transmission tower, oil & gas plant and building foundation repair works benefit the most from this light capacity piles system.

Topics Covered:

- History of Helical Piles & Developments.
- Code of Design, Test & Performances Requirements.
- Design Mode Failure.
- Correlation of ULT & PDA.
- Torque Correlation Ratio
- Applications - Pictures



Will be happening on:

3rd August 2022, Wednesday
10:00am - 12:00pm
Zoom Webinar

IEM Member. RM20.00
Non Member. RM40.00

REGISTER NOW!

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Speaker



**IR.
KHOR SEK GAY**

Director

- RIYE Engineering Sdn. Bhd. (Malaysia)
- Helical Pile + Anchor Pte. Ltd. (Singapore)

