

Address: Hong Kong Polytechnic University, Phase 8, Hung Hom, Kowloon, Hong Kong.
Telephone: (852) 3400 8451 Email: cnerc.steel@polyu.edu.hk Website: <https://www.polyu.edu.hk/cnerc-steel/>

Geotechnical Engineering Office of the Government of Hong Kong SAR – Technical Meeting on “Effective Use of S690 socketed H-piles in Hong Kong”

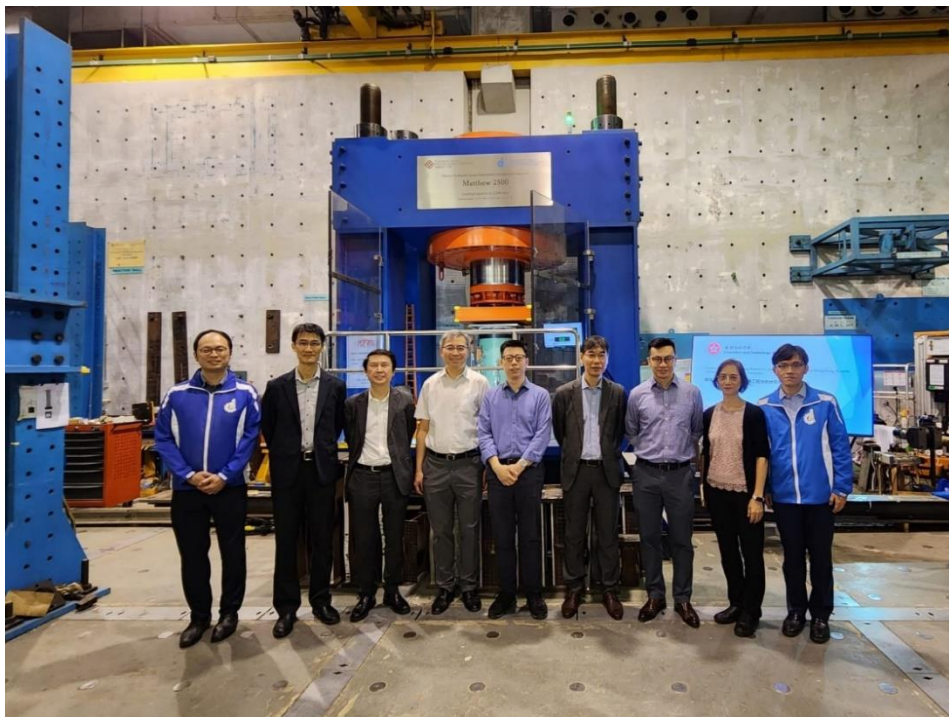
2023.09.25

Ir Dr. Raymond W. M. Cheung, Head of Geotechnical Engineering Office (GEO), led his team to visit CNERC on 25 September 2023. The Delegation Team of GEO consisted of:

- Ir Dr. Raymond Cheung, Head of GEO
- Ir Sammy Cheug, Deputy Head of GEO (Island)
- Ir Thomas Hui, Deputy Head of GEO (Landslip Preventive Measures)
- Ir Lawrence Shum, Deputy Head of GEO (Mainland)

The Geotechnical Engineering Office is one of seven constituent offices of the Civil Engineering and Development Department of the Government of Hong Kong SAR.

The GEO Delegation Team visited the Structural Engineering Research Laboratory of the PolyU, and inspected various research and testing capabilities for large scale structural tests. It was also introduced to a number of research and development projects on effective use of high strength S690 and S960 steel in construction.



Group photo of GEO Delegation Team and CNERC representatives

In addition, Dr. Andy Y. F. Leung, Laboratory-in-charge of CNERC Laboratory for Soil-structure Interaction with High Performance Construction Materials made a presentation entitled **“Effective Use of S690 socketed H-piles in Hong Kong”** to the GEO Delegation Team to explore technical collaboration between CNERC and GEO.

Collaborative investigation on the following topics will be explored:

- Load transfer mechanisms in S690 socketed H-piles through laboratory and site tests
- Measurement on soil-grout and rock-grout shaft resistances in piles
- Engineering data for enhancement to the current practice on foundation design