

Visit of Civil Engineering and Development Department of the Government of Hong Kong SAR for discussion on Applied R&D in Public Works

2022.08.04

Under the coordination of Ir John K.S. Kwong, Head of Project Strategy and Governance Office (PSGO), Development Bureau, Ir Michael Fong Hok-shing, JP, Director of Civil Engineering and Development Department (CEDD) visited CNERC together with a team of engineering officials to explore use of high strength S690 steel in public works on 4 August 2022. Prof. K.F. Chung, Director of CNERC, received both CEDD and PSGO delegates as follows:

CEDD delegates:

- Ir FONG Hok-shing, Michael, *JP*, Director
- Ir MA Hon-ngai, Harry, *JP*, Deputy Director
- Ir WONG Chi-pan, Ricky, *JP*, Head of Civil Engineering Office
- Ir WU Kwok-yuen, Jacky, *JP*, Head of the Sustainable Lantau Office
- Ir CHAN Fuk-yiu, Victor, *JP*, Project Manager (South)
- Ir KWAN Shun-hang, Julian, Assistant Director (Technical)
- Ir YEUNG Fei, Jenny, Deputy Head (Planning & Standards)
- Ir KO Wan-ye, Florence, Acting Deputy Head (Landslip Preventive Measures)
- Ir LAM Shing-tim, Chief Engineer
- Ir LEE Wai-man, Raymond, Chief Engineer
- Ir LEUNG Chi-foon, Chief Engineer
- Ir YIP Hung-ping, Joe, Chief Engineer
- Ir BOK Kok-ming, Aaron, Project Team Leader
- Ir WOO Tai-on, Gabriel, Project Team Leader
- Ir LAI Ming-kin, Vincent, Senior Engineer
- Ir LAM Chun-cheuk, Tim, Senior Engineer

PSGO delegates:

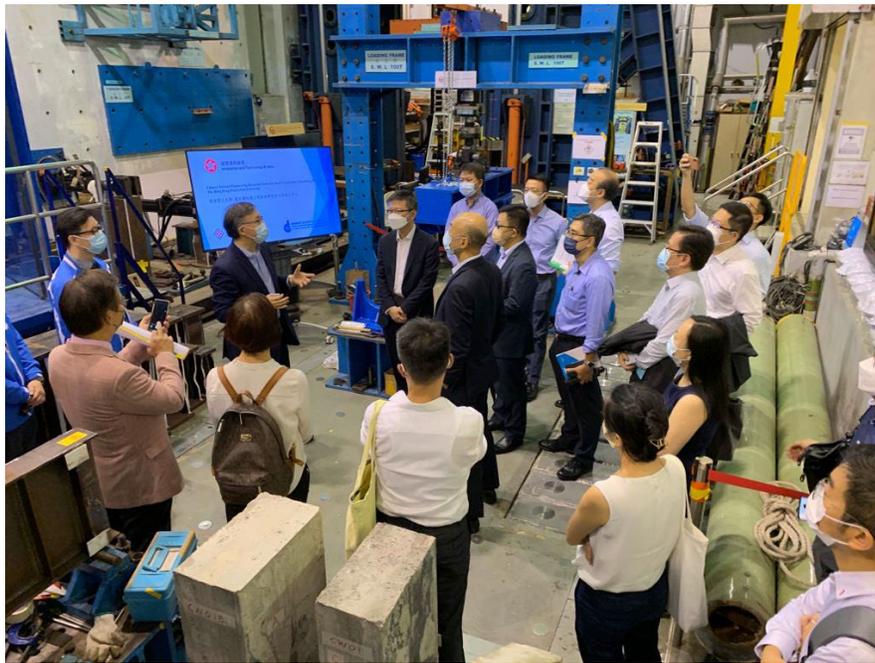
- Ir LO Kwok-kuen, Joseph, Principal AS (Project Capability and Strategy)
- Ir CHOW Sui-ping, AS (Project Capability and Strategy)
- Ir TANG Cheong-nam, Elton, AS (Project Capability and Strategy)
- Ir WONG Ho-yeung, Jason, AS (Project Capability and Strategy)

CNERC office bearers:

- Prof. K. F. Chung, Director of CNERC
- Prof. Michael C.H. Yam, Deputy Director of CNERC and Head of BRE
- Dr. Andy Y.F. Leung, Associate Head (Partnership) of CEE
- Dr. H. C. Ho, Research Assistant Professor
- Dr. Y. F. Hu, Research Assistant Professor
- Dr. Lilian M.F. Hui, Principal Research Fellow



A group photo of CEDD and PSGO delegates together with CNERC office bearers



CEDD and PSGO delegates visiting Laboratory Y001

The delegates visited the Structural Engineering Research Laboratory, Laboratory Y001, of the PolyU, and were briefed about the research and testing capabilities of the CNERC for large-scale structural tests. The delegates were also introduced to a number of research and development projects on high strength S690 and S960 steels.



Prof. K. F. Chung and Ir Michael H S Fong

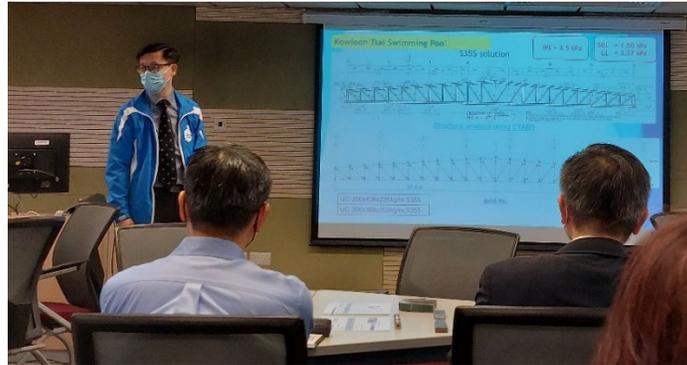
After the laboratory tour, a high-level meeting on applied research and development on high strength S690 steel construction was held amongst CEDD, PSGO and CNERC. The following items were presented and discussed:

- a) Application of high strength S690 steel in public works under *Taskforce for Applied R&D in Public Works Projects* by PSGO
- b) Missions and visions of CNERC and its recent research achievements by CNERC
- c) Re-engineering of pilot public works projects using high strength S690 steel

Mr. S. P. Chow of PSGO presented that a Taskforce for Applied R&D in public works by PSGO to CEDD delegates.



Prof. K. F. Chung presenting to CEDD and PSGO delegates on effective use of high strength S690 steels in construction for enhancing productivity of construction industry in Hong Kong.



Dr. H. C. Ho presenting to CEDD delegates on details of two pilot projects of ArchSD which adopted S690 steel



Dr. Andy Y.F. Leung presenting to CEDD and PSGO delegates on a proposed use of socketed H-piles using S690 welded sections in foundations.

Ir Michael Fong, Ir Harry Ma and Ir Ricky Wong expressed supports to a wider adoption of high strength S690 steel in Hong Kong e.g. for construction of large scale structures in public works projects. Applications in other structures including bridges and deep foundations should also be explored. CEDD and PSGO noted that CNERC has been undertaking a lot of work in establishing design standards and guidance on high strength S690 steel, which are essential in facilitating the adoption of S690 steel.