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**Civil Engineering and Development Department of the Government of Hong Kong SAR –  
Technical Meeting on “Application of Ultra-High Strength 960 MPa Steel in Civil  
Engineering Structures”  
2023.06.07**

In late 2022, Civil Engineering and Development Department (CEDD) of the Development Bureau of the Government of Hong Kong Special Administrative Region was interested to adopt high strength steel in civil engineering structures under technical support of CNERC. After a technical discussion in January 2023, CEDD decided to adopt ultra-high strength 960 MPa steel in a number of pilot projects with large scale pedestrian bridges. One of these projects was the first phase of the Fanling North New Development Area, i.e. the Eastern Section of the Fanling Bypass (Shek Wu San Tsuen to Long Yuek Tau) Project. It was considered that the adoption of ultra high-strength S960 steel in two large span pedestrian bridges in this project would bring considerable benefits in both structural efficiency and constructability. The experience gained by engineers, project managers, and site supervision staff would facilitate a wide adoption of these high strength steel in Hong Kong.

On 7 June 2023, CNERC held a technical seminar in the North Development Office of CEDD together with project consultants and contractor to discuss various issues of the proposed use of the high strength 960 MPa steel in construction.



Technical Meeting on “Application of Ultra-High Strength 960 MPa Steel in Civil Engineering Structures”.

The technical meeting was attended by the following design and construction engineers together with their colleagues:

Ir Mike Cho, Ir Tom Leung, Ir Evan Ho and Ir Connie Chiang	CEDD
Ir Prof. K.F. Chung and Ir Dr. H.C. Ho	CNERC
Prof. Y.J. Shi	Tsinghua University
Ir Johnny Tang	AECOM
Ir Bear Ding and Mr Steve Cho	DCKJV
Ir YW Leung	YWL

Meeting agenda:

1. Introduction of the Project - Fanling Bypass Eastern Section (Shek Wu San Tsuen North to Lung Yeuk Tau) - CEDD
2. Introduction to the overall approach on drafting of technical guidelines for design of ultra-high strength steel - CNERC
3. Research findings and experience on application of ultra-high strength 960 MPa steel in China – Tsinghua University
4. Exchange and discussions
5. A.O.B.



A group photo after the Technical Meeting

The technical meeting was considered to be highly beneficial to various parties in exchange of technical information and project updates.