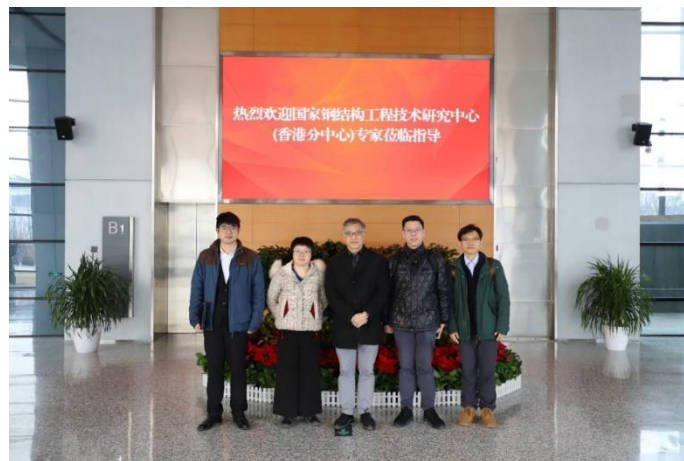


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Visited China Construction Engineering Industry Technology Research Institute Co., Ltd. – S960 high-strength steel project collaboration and exchange meeting 2024.01.17

On 17 January 2024, Prof. K. F. Chung Director of CNERC, Dr. H. C. Ho, Deputy Executive Secretary, Dr. Y. F. Hu, Research Assistant Professor, and Dr. B. Li, Postdoctoral Fellow, visited China Construction Industrial Technology Research Institute Co., Ltd., had an in-depth exchange with Ir J. Q. Sun, Chief Engineer of China Construction Engineering Industry Technology Research Institute Co., Ltd., Mr. X. Q. Zhang, General Manager of its testing company, Mr. J. Li, Assistant Manager of the Science and Technology Management Department, Mr. Y. B. Zhang, Deputy Chief Engineer (Manager of the Bridge and Structural Engineering Research Institute) and delegates, on discussion of collaboration of high-strength S960 steel project.

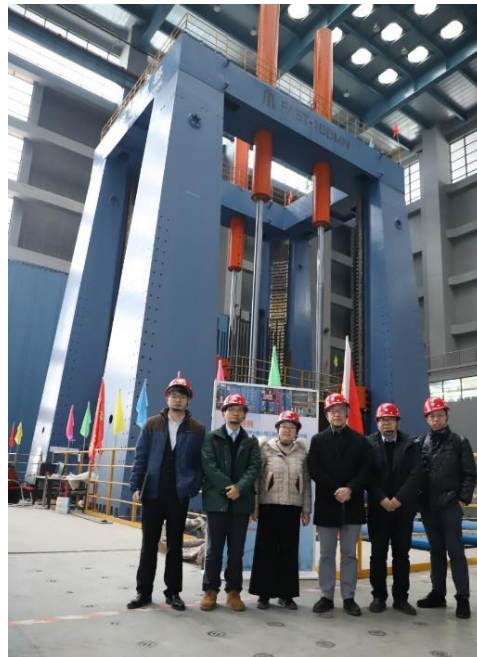


CNERC delegates had a photo with Mr. X. Q. Zhang

The General Manager of China Construction Engineering Industry Technology Research Institute Co., Ltd. extended a warm welcome to the CNERC delegation team, and visited the digital achievements exhibition, material achievements exhibition and engineering structure laboratory of China Construction Engineering Industry Technology Research Institute Co., Ltd. Mr. Zhang led Prof. Chung and his team to visit the digital technology development laboratory and introduced the development process, main functions and application promotion of the domestic BIM software ACE Mate.

Deputy Chief Engineer Y. B. Zhang led Prof. Chung and his team to visit the new material achievements of China Construction Engineering Industry Technology Research Institute Co., Ltd. and introduced ultra-high performance concrete (UHPC), high-strength performance concrete, and high-strength, ultra-toughness and low-shrinkage concrete (A-ECC), high slump retention and ultra-early strength shotcrete and other new materials' main components, performance characteristics, and their application and promotion in different practical projects.

Mr. Zhang also led the CNERC delegation team to visit the Structural Engineering Laboratory. He introduced in details the main objects of the 10,000-ton loading system and the current full-scale bridge tests. He also demonstrated the hysteretic loading test instruments and fatigue loading in the laboratory. Test instruments, shield segment loading test instruments and advanced reaction wall systems were briefly introduced, and the service scenarios and service scope of the Structural Engineering Laboratory of China Construction Engineering Industry Technology Research Institute were explained, showing that the laboratory meets the needs of the CNERC's upcoming plan for high-strength S960 steel testing.



CNERC delegation team visited China State Construction Engineering Corporation's 10,000-ton testing system

After visiting the main laboratories of the China Construction Engineering Industry Technology Research Institute, the two parties had an in-depth exchange of views on the cooperation on the compression test of S960 high-strength steel short columns in the B305 conference room of the test building. At the meeting, Prof. Chung gave a brief introduction to the main personnel of the China Construction Engineering Industry Technology Research Institute in all directions of project cooperation, explaining the importance of the 10,000-ton loading system in this test, the future arrangements and advancement of the entire project process, and the future application of the project results and its economic benefits they could bring.

Mr. Zhang introduced in detail the 10,000-ton loading system of the Engineering Structure Laboratory of China Construction Engineering Industry Technology Research Co., Ltd., indicating that the use of test instruments can be adjusted according to the needs of the research project, fully supporting the smooth implementation of the entire project.

Mr. Sun briefly consulted Prof. Chung on the future application of high-strength S960 steel, and highly recognized the advancement and future value of the project. During the discussion, they discussed about the specific collaboration of the project, the initial preparation work that needs to be completed, and other details.



The CNERC delegation team took a group photo with the delegates of China Construction Industrial Technology Research Institute