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Mainland and Hong Kong Smart Construction Development Forum 2025.05.09

On 9 May 2025, Dr. H. C. Ho, Deputy Executive Secretary of CNERC, attended the “Mainland and Hong Kong Smart Construction Development Forum,” a sub-forum of the 17th Guangzhou International Housing Industry Expo held at the Guangzhou Poly World Trade Expo Centre, the forum was co-organized by the Intelligent Construction Committee of the China Construction Industry Association and the Hong Kong Construction Industry Council. Nearly 200 experts, scholars, and industry professionals from Mainland China and Hong Kong attended to discuss emerging trends and innovations in intelligent construction.

As a keynote speaker, Dr. Ho delivered a presentation titled “The Latest Engineering Achievements and Structural Applications of High-Strength S690 and S960 Steels.” He highlighted the critical role of these high-strength steels in modern structural design and construction, showcasing research advancements such as improved material performance, optimized production processes, and cost-efficiency. Dr. Ho emphasized the steels’ benefits in enhancing structural safety, reducing material usage, and improving durability. He also analysed real-world applications, including the world’s first footbridge constructed with S960 steel, demonstrating its practical advantages. His presentation provided valuable insights, promoting the adoption and application of high-strength steels in the construction industry.



Opening ceremony of the Mainland and Hong Kong Intelligent Construction Development Forum



Dr. Ho delivered an insightful presentation on the advanced structural design and construction using ultra-high-strength S960 in a steel footbridge project

Highlights from the Forum

In addition to Dr. Ho's outstanding presentation, the forum featured a variety of specialized topics, covering key areas of intelligent construction:

- Hong Kong Green Construction Practices, sharing advanced experiences in sustainable building;
- Implementation of the NEC Contract System in the Greater Bay Area, exploring the effectiveness of NEC contract models in the region;
- Efficient Management and Cost Control through Construction Digitalization, analyzing the application of digital technology in project management;
- Innovative Practices in Prefabricated Buildings, showcasing successful cases in construction industrialization;
- Establishing "Bay Area Standards" for Construction Technology and Products, promoting regional standardization and technological development;
- Empowering Smart Construction Sites with Construction Robots and Intelligent Equipment, exploring the potential of intelligent technologies in future site management.

Conclusion and Outlook

The Mainland and Hong Kong Intelligent Construction Development Forum provided a valuable platform for academic and practical exchanges, strengthening collaboration in intelligent construction and industrialized building applications. Its success facilitated knowledge sharing and injected momentum into the construction industry's digitalization and smart development. Looking ahead, the continued advancement of high-strength steels and intelligent technologies will foster closer cooperation between the Mainland and Hong Kong.