

Technical Seminar on carbon management in buildings and infrastructure

By Mr Ivan WONG

The captioned seminar was held on 26 March 2025 and brought together a diverse group of professionals, engineers, and sustainability experts to delve into the critical issue of embodied carbon in the built environment.

This event was an important platform for discussing sustainable strategies, innovative materials, and regulatory policies aimed at reducing carbon emissions in construction. With over 100 attendees, the seminar was a significant gathering of minds dedicated to advancing sustainability in the industry.

Throughout the seminar, the focus was on embodied carbon and the crucial role of Life Cycle Assessments (LCAs) in minimising carbon footprints. Mr Ronald Chan, a key speaker, emphasised various LCA methodologies and their impact on material selection and sustainable design.

He illustrated how LCA and carbon calculations are integral to sustainable development in construction projects. The discussions highlighted the importance of these assessments in Environmental, Social, and Governance (ESG) reporting and regulatory compliance. Additionally, the seminar explored evolving global policies and taxonomies, particularly in the European Union and the UK, offering insights into government incentives for green buildings. Mr Chan presented the 22 Bishopsgate project in London as a case study, showcasing the practical applications of these principles.

Attendees were introduced to emerging technologies and materials that contribute to carbon reduction, such as carbon-sequestering concrete, recycled materials, and AI-driven tools like Building Information Modelling (BIM). The seminar concluded with an interactive question-and-answer session, during which participants engaged in discussions about the challenges of implementing LCA, achieving sustainability certifications, and anticipating future industry trends.

Overall, the seminar was both enlightening and inspiring. It left attendees with a renewed sense of purpose in integrating sustainable practices into their work. The engaging and thought-provoking sessions not only deepened participants' understanding of carbon management, but also reinforced their commitment to driving positive change in the built environment. The event successfully underscored the importance of collaboration and innovation in addressing climate challenges, making it a truly valuable experience for all involved.



Souvenir being presented to the speaker, Mr Ronald Chan (1st left), by the YMC