



### Report on Halfen – Moment Invisible Connection

by Ir. Chong Chee Meng

Ir. Chong Chee Meng is currently the Deputy Chairman in the Civil and Structural Engineering Technical Division (CSETD).

The Civil and Structural Engineering Technical Division (CSETD) organized an evening talk on 'Halfen-Moment invisible connection'. The talk was held on 28<sup>th</sup> February 2018 at Auditorium Tan Sri Prof Ching Fung Kee, Wisma IEM. The speaker was Mr Gary Connah, who is a Chartered Professional Engineer and currently holds the position of technical and development manager of CRH Construction Accessories Asia. He has gained extensive experience in mechanical splices as well as post installed and cast in anchor solutions in Europe, Asia and Australia.

This talk was chaired by Ir Jimmy Wan, the committee member of CSETD and was attended by 28 participants. The 28 participants included engineers from engineering consultants, contracting firms, government agencies and local authorities as well as faculty members from local institutions of higher learning.

Mr Gary commenced his talk by explaining the function of corbel in construction by sharing few photos showing different types of corbels. He explained that the corbel can be in the form of concrete, steel or timber. After that, he introduced invisible connection to the audience. He stressed that invisible connection can replace corbel, so that the structures can have aesthetically pleasing look. He also, reiterated that invisible connection can be used at precast beams, precast columns and precast slabs. He shared with the audience some photos showing the detailing of invisible connection for precast beams, precast columns and precast slabs. He also brought the actual product of invisible connector so that the audience can have a closer look.



Mr Gary delivering the talk

He shared with the audience few projects that using invisible connections such as Manchester Metropolitan University, Scottish Power HQ, Nottingham station carpark, Kingston University and many others.

At the end of the talk, there were questions raised by the audience which Mr Gary answered and clarified in more details. At the end of the event, the CSETD advisor, Ir Hooi presented a token of appreciation to Mr Gary



**Presentation of memento by Ir Hooi to Mr Gary**