



Halfen Moment Factory Technical Visit Report

by Ir. Dr Lee Yun Fook

Ir. Dr Lee Yun Fook is currently a co-opted member in the Civil and Structural Engineering Technical Division (CSETD).

Civil and Structural Engineering Technical Division (CSETD) and Halfen Moment (M) Sdn Bhd had organized a half day technical visit to the Halfen Moment factory on 2nd August 2018. There were 20 participants joining the technical visit.

The visits started with refreshment serving at 9.30am. After the refreshments, the General Manager of Halfen Moment (M) Sdn Bhd, Mr. Tony Toh, invited the participants to proceed to the meeting room located at third floor for briefing by Mr. KC Loh, Technical Manager.



Mr. KC Loh Briefing the Participants

In the briefing, the speaker presented the background of the company. Halfen Moment was established in 1991 in Malaysia and expanded rapidly to other parts of the world. In 2012, Moment was acquired by CRH plc, a Global Fortune 500 Company, and was restructured as Halfen Moment Group.

After the brief introduction, the speaker proceeded to explain the different types of coupler and threading. The speaker first explained about the applications of coupler, followed by the comparison between lapped splice and mechanical splice. Lapped splices depend on concrete for strength, and

therefore lacking in structural integrity and continuity while mechanical splices provide the assurance of maintaining load-path continuity of the structural reinforcement, independent of the condition or existence of concrete. He emphasized on the benefits of using mechanical splice which reduce the splicing cost, time and congestion. He also highlighted some case studies of constructions sites that use their products. A few samples of coupler were distributed to the participants during the talk.



Moment® JoinTec Coupler



A Moment® JoinTec Coupler Mounted on Threaded Steel Bar

The speaker stated that Halfen Moment (M) Sdn Bhd manufactured couplers were in accordance with the highest standards of quality and conformance, i.e. ISO 15835 – 2009 and AC 133. Their couplers had undergone testing such as strength test, slip test, seismic test and dynamic test in laboratory. From the

tests, it is noted that the failure happened on the reinforcement bar which indicates that the couplers manufactured are safe. The speaker continued by introducing other products such as Moment® JoinTec, Moment® MBC and Moment® Grout Coupler. A short question and answer (Q&A) session took place after the briefing to allow the participants to raise their questions and comments. The session ended with a group photo between Halfen Moment representatives and all the participants.



Group Photo with Halfen Moment Representative and Participants

After the photo session, the speaker briefed about the factory layout and participants were split into 2 groups for the factory visit lead by Mr Tony Toh and Mr KC Loh. During the factory visit, the participants have the opportunities to witness the processes and equipment used for the production of ducts and threaded steel bars.



Factory Visit Led by Halfen Moment Representatives



Participants Witnessing The Process of Manufacturing Duct

After the factory visit, CSETD representative, Ir. Dr. Lee Yun Fook, presented a token of appreciation to Mr. KC Loh to express gratitude for hosting this visit.



Ir. Dr. Lee Yun Fook (left) Presenting a Token of Appreciation to Mr. KC Loh



Show Case of Halfen Moment Products (Part 1)



Show Case of Halfen Moment Products (Part 2)