Technical Seminar (Webinar)
Use of Fibre Reinforced Concrete (FRC) in Precast Segmental Tunnel Linings in Asia
26 August 2020 (Wednesday)
6:30 pm – 7:45 pm

Video Conference:
https://us02web.zoom.us/j/83452799586?pwd=a1NoTU5HVJRRU1JNaRVYzFMWjM5QT09

Meeting ID: 834 5279 9586
Password: 260820

Speaker:
Mr. C. C. Gan
BEng
Bekaert Singapore
Technical Manager

Abstract:
FRC has been used in precast segmental tunnel linings in Asia since 2005 beginning with Singapore in temporary segments. In 2012, the first permanent use of FRC in precast segmental tunnel linings finally began with Contract 933 in the Downtown Line Phase 3 in Singapore. Since then, FRC in precast segmental tunnel linings has been used for projects in Malaysia, Hong Kong, Japan and Singapore. The number of projects adopting FRC in precast segmental tunnel linings are growing. This talk will discuss four topics related to the use of FRC in precast segmental tunnel linings. The topics are:

1. Application of FRC
2. QA/QC of FRC
3. Design of FRC
4. Durability of FRC
About the Speaker:

Mr. Gan graduated from The University of Singapore in 1989 and has worked in the construction industry for 31 years. He is working for Bekaert Singapore as Technical Manager since 1998. He has been involved in many prestigious underground projects and construction projects around Asia: including Qinling Railway & Highway Tunnel Xian, China; Mandai Underground Cavern Singapore, BMW Shenyang, China, Daimler Chrysler Beijing, China, Busan International Exhibition & Convention Center, South Korea and Jurong Rock Cavern Singapore. He has been involved in over 20 projects featuring fibre reinforced sprayed concrete linings and over 15 projects featuring fibre reinforced concrete precast segmental tunnel linings. Since Jan 2019, he was one of the members of the working group drafting the Singapore Standard on Design of Fibre Concrete Structures. In Mar 2019, he was appointed as the Domain Expert for Sprayed Concrete and in Jan 2020, he was appointed as Domain Expert for Fibre Reinforced Concrete under iNPQS (Intelligent National Productivity and Quality Specifications Singapore).

Registration & Enquiries:

This seminar is free of Charge. No prior registration is required. For enquiries, please contact the Honorary Secretary of IOM3(HK), Jennifer Haigh, via jennifer.haigh@veolia.com

Certificate of Attendance for Continuing Professional Development (CPD) will be issued after the seminar through email. Details about the request for CPD certificate will be announced before and after the webinar on the day.