



The Association of Consulting Engineers Malaysia
Suite 20-9, Level 20, Menara 1MK
No. 1, Jalan Kiara, Mont' Kiara, 50480 Kuala Lumpur
Tel: 012-5290031, 012-5190031 • E-mail: sec@acem.com.my

Half-day Presentation on Structural Waterproofing and Leakage Injection

date: 27 September 2018 (Thursday)

time: 9.00 a.m. – 1.00 p.m.

venue: MATRADE Exhibition and Convention Centre

Menara MATRADE, Jalan Sultan Haji Ahmad Shah, 50480 KL

Synopsis

A basement or any below-ground structure that is formed by a base slab, walls and a top slab, is partially or fully exposed to the surrounding soil and groundwater, resulting in specific exposure and stress from the prevailing permanent or temporary environmental conditions. Today new building owners generally request a service life of 50 years or more, and for structures such as tunnels up to 120 years. Any lack of watertightness severely reduces the long-term durability of a building or other below-ground structure and badly affects its planned use, as water ingress will result in physical attack and deterioration of the concrete. This leads to expensive structural repair works, damage or loss of interior finishes and goods, operational downtime, or serious impact on the internal environment from damp and condensation.

The selection of the appropriate waterproofing method, the project specific design of the chosen waterproofing system and its correct installation on site are key elements in minimizing the Total Cost of Ownership. A waterproofing system typically amounts to less than 2% of the total core constructions cost, yet the selection of a high quality waterproofing solution can easily save this amount or more, in future maintenance and repair costs over the service life of the structure.

Sika provides full range of technologies and systems used for below ground waterproofing. This includes highly flexible membrane systems, liquid applied polymeric membranes, watertight concrete admixtures, joint waterproofing systems, waterproofing mortars and coatings, as well as injection sealing grouts. All of these solutions are designed to be used together to meet the specific needs and requirements of owners, architects, engineers and contractors on site.

Our expertise is combined with more than 100 years of experience from all around the world, in providing successful waterproofing solutions for building basements and below ground civil engineering structures, such as:

- Basements of residential and commercial buildings
- Underground parking areas
- Metro stations
- Road and Railway Tunnels
- Shafts



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Programme

- 8.30 a.m. Registration
- 9.00 a.m. Basement waterproofing with watertight concrete plus joint treatment
- 10.00 a.m. Basement waterproofing with sheet membranes and liquid coatings
- 11.00 a.m. Tea break
- 11.30 a.m. Leakage repair injections: materials and application
- 12.30 p.m. Q&A Session
- 1.00 p.m. End of Presentation / Lunch

Speakers' Biodata

Mr. Philippe Stoll holds a Master's Degree in Civil Engineering from the Swiss Federal Institute of Technology ETH.

He started his career in 2003 as a consultant for the Gotthard Base Tunnel, the longest railway tunnel in the world, right at the time when the main excavation works had started. Later, he became the Project Manager for the section Amsteg, one of the five main sections of the Gotthard Base Tunnel.

In 2011, he joined Sika as Business Development Manager Waterproofing.

Between 2012 and 2014, he was the Head of Specifications for Sika India, based in Mumbai, and focusing mainly on roof and belowground waterproofing, including refurbishment works of leaking structures.

Between 2015 and end of 2016, he was working again for Sika Corporate in Switzerland as product engineer for tunnel waterproofing.

Beginning of 2017, he decided to take up a new challenge as the Head of Building Systems in Sika Malaysia, based in Kuala Lumpur.

Ir. Steven Ng Si Yoon, B.Sc. Civil, P Eng, MIEM, graduated from Oklahoma State University, USA in 1986. He is a registered Civil Engineer with the Board of Engineers Malaysia and The Institution of Engineers Malaysia, and has worked in the construction industry for 22 years in various capacities, Civil & Structural Engineer, Resident Engineer and Project Manager.

Steven Ng is currently a Product Manager for Sika Kimia Sdn. Bhd. He redefines and reviews all the technical specifications and product limitations as necessary with the engineers to ensure that all products and systems perform satisfactorily.

Steven has more than 15 years of experience in the assessment and repair of concrete structures. He has been involved in important refurbishment projects like the KLCC, LRT, KLIA, Mid Valley, Chenderoh and Kenyir dams, Sultan Yahya bridge, Semenyih and Bukit Nanas treatment plants, etc.



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Registration Fee (*GST is zero-rated w.e.f. 1 June 2018*)

ACEM member firms RM 180.00 per person
Others RM 250.00 per person

Payment by crossed cheque is to be issued to 'The Association of Consulting Engineers Malaysia' and to be submitted with the duly completed registration form to ACEM by **21 September 2018**. The registration fee is non-refundable. However, substitution of participants can be arranged by informing the ACEM secretariat one week before the presentation.

Continuing Professional Development / Certificate of Attendance

The presentation is eligible for 4 CPD hours for Professional Engineers registered with BEM. Certificate of Attendance will be issued subject to full attendance.

Registration Form

(to be returned by 21 September 2018)

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Thursday, 27 September 2018
MATRADE Exhibition and Convention Centre, Kuala Lumpur**

Name: _____

Designation: _____ BEM PE No. _____

Organisation: _____

Address: _____

Tel.: _____ E-mail: _____

(confirmation of registration will be sent via e-mail)

Contact Person: _____

ACEM member firm (RM 180.00 per person)

Others (RM 250.00 per person)

Enclosed is cheque no. _____ for RM _____ being registration fee for the presentation.

Signature & Company Stamp

Date