



## ANNOUNCEMENT

### AGS (HK) & The Hong Kong Polytechnic University Joint Technical Seminar

# “Challenges faced during construction of the Waterview Connection Project, City Rail Link Contract 2 Project and the Army Bay WWTP Outfall Project, Auckland, New Zealand”

by

**Ir. Kenneth Teh, Senior Design Engineer, McConnell Dowell Constructors Ltd.**

- Date** : Thursday, 8<sup>th</sup> February 2018
- Time** : 6:30 pm – 8:00 pm
- Venue** : Lecture Theatre Y304, 3/F Lee Shau Kee Building, The Hong Kong Polytechnic University, Kowloon (see enclosed map)
- Enquiry** : For enquiries, please contact  
Raymond Sin (email: [raymond.sin@aecom.com](mailto:raymond.sin@aecom.com) or tel: 3922 8804)
- Seminar Fee** : Free of charge
- Registration** : No prior registration is required. Seating capacity is provided for approximately 120 people. CPD certificates will be provided after the seminar.
- Book Prize** : Book prize is open to all young attendants under 35 years old for the submission of a good quality report (max. 500 words) on this event. Book Prize reward comprises a book "Geology of Site Investigation Boreholes in Hong Kong" by Chris Fletcher and book coupon HK\$300 from BookaZine.

### **Synopsis:**

Auckland is the biggest city in New Zealand accounting for over a third of the country's population. The city is expected to double in size within the next 25 years to more than 3 million. Combined with an aging infrastructure, there are challenges in place to not only replace but to supplement existing services to accommodate the extra population.

McConnell Dowell Constructors have been involved in the construction of major underground services such as the Hobson Bay replacement sewer, Rosedale WWTP outfall upgrade, Waterview Connection and now the City Rail Link Contract 2. Construction of these projects has used new technologies to the New Zealand



construction market such as Hobson Bay involved a EPB TBM the first of its kind in New Zealand, Waterview used the largest diameter tunnels built in Australasia using the world's 10th largest TBM at 14.4m diameter and Army Bay will be the first use of the pipe thrusting technology in New Zealand.

This presentation will cover some of the challenges faced by the presenter during construction of the Waterview Connection project, City Rail Link Contract 2 project and the Army Bay WWTP Outfall project and the role of the Temporary Works Engineer and their contribution to determining construction methodologies and outcomes.

### **About the Speaker**

Kenneth Teh is a chartered professional engineer working for McConnell Dowell Constructors in New Zealand. After starting out as a tunnel engineer on Project Hobson (\$116m) and the Rosedale WWTP Outfall (\$108m) he transitioned into a temporary works design role on the Waterview Connection project (\$1.4b). He eventually took over as the Temporary Works Manager at Waterview and has carried over his experience to the City Rail Link Contract 2 project as the Temporary Works Manager while working as a Senior Design Engineer providing design services to other jobs across the company.

