



## Vancouver Geotechnical Society

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Society

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## NOTICE OF UPCOMING TECHNICAL PRESENTATION Tuesday, 16 November 2021

**TOPIC:** Shared experience of value engineering case studies from Middle Eastern major projects

**SPEAKER:** Benoît Latapie, ing, Eur. Ing., MSc. – National Vice President, Ground Engineering and Materials, WSP.

Benoît Latapie is a registered engineer with the OIQ, PEO, and a chartered geotechnical engineer with the FEANI. Since 2019, Benoît leads WSP's Canadian ground engineering and materials engineering service line, recently strengthened by Golder's arrival in the team. This service line counts over 1,000 employees across Canada that are supported by over 30 testing laboratories.

Benoît started his career in the UK where he gained experience working on railway and infrastructure projects, as well as offshore Oil & Gas and renewable energy projects. In 2012, he left for the Middle East where he worked on a variety of large-scale projects, from new metros to high-rise buildings. Benoît has experience with all main ground engineering applications as well as several tunnelling methods (cut and cover, TBM, SEM), and deep shafts. He has led geotechnical delivery for the entire life cycle of projects, from feasibility to construction support, and specializes in design & build optimization, using geostructural design integration with soil-structure interaction modelling.

**CONTENT:** The goal of this presentation is to illustrate, via multiple examples from the speaker's experience, the positive impact that the integration of the geotechnical engineer to multidisciplinary engineering teams has on the success of major construction projects in terms of cost, schedule and quality. Case studies, such as, significant optimization of foundations design for several skyscrapers in Dubai (UAE) and the reduction of temporary supports for the underground construction of the Doha Metro (Qatar) and Riyadh Metro (Kingdom of Saudi Arabia) projects were possible due to the integration of geotechnical engineering in the design stages, which will be presented. The value-add of embedding the geotechnical discipline into the design process is demonstrated in different markets (transportation, infrastructure, and property) and with different clients (P3 Contractors and property developers). The importance of investing in geotechnical field investigations, scoped to support advanced geostructural analyses, is highlighted and the value-add of soil-structure interaction modelling is integral to the presentation.

**DETAILS:** AGM: 5:00 to 5:30 p.m.  
Technical Presentation: 5:30 p.m. to 6:30 p.m.  
Link: <https://attendee.gotowebinar.com/register/1916154516890444045>