

The Canadian
Geotechnical Society



La Société Canadienne
de Géotechnique

CGS Luncheon Presentation

Controlled Modulus Columns (CMC): An Innovative Foundation Solution for the Prairies Soils

Presented by:
Dominique Jullienne
President, Menard Canada

Presentation Abstract:

Controlled Modulus Columns (CMC) are rigid inclusions that are meant to reinforce compressible soils under the conventional structural foundations or embankments in order to provide increased bearing capacity and control settlement. MENARD invented the CMC solution about 30 years ago and since then has gained extensive experience worldwide. Over time, MENARD has been able to develop and improve internal design capabilities and establish design and construction standards for CMC.

CMC are typically designed in variable size and pattern to provide support all types of structures such as buildings, warehouses, plants, bridges, embankments, dikes, tanks or silos storage and marine structures. This Menard's Talk will focus on CMC global behavior and introduce design basics for CMC application for buildings, tanks and embankments structures, supported by examples of previous projects in the Prairies.

About the Presenter:

Dominique Jullienne is the President of Menard Canada and is a Civil Engineering graduate (1999) from the INSA engineering school, in France. He joined Menard group immediately after and has experience in various ground improvement techniques including Soil Densification, Consolidation, Reinforcement and Grouting and soils such as the Bangkok clay, middle east desert sands, calcareous hydraulically reclaimed fill, rehabilitation of landfills amongst others.

Dominique has been involved in some of the Canada's largest ground improvement projects, most notably the Tsawwassen Mills Mall, Annacis Island Waste Water Treatment Plant, North Shore WWTP and Tilbury Island LNG Plant, and more recently the foundation construction for the new MOLSON Coors brewery in Montreal, QC. Dominique also introduced in 2012 the "Dry Box" solution to a long term problematic in Richmond area, BC where underground construction was unaffordable.

Date: Thursday, November 22, 2018
Time: Lunch at 12:00 PM, Presentation at 12:20 PM
Location: Holiday Inn South, 1330 Pembina Highway
RSVP: 12:00 PM, Monday, November 19, 2018

For event information:

Dylan Stafford, EIT
CGS Manitoba Section - Liaison
P: 204-474-8072
E: student.liaison@cgsmanitoba.ca

For payment information:

Earl Marvin De Guzman, M.Sc., E.I.T.
CGS Manitoba Section - Treasurer
E: treasurer@cgsmanitoba.ca

Registration Fee (debit, credit, PayPal):

Membership	Price (\$)	Registration and Payment Link ^{1,2}
CGS Student Member	15	Buy Now
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- This event qualifies for 1 Professional Development Hour. The event is classified as 'Informal Activity' under EGM's CPD Program.
- Please note that if you are unable to attend, someone else can be sent in your place. We are accepting walk-ins depending on seating availability.
- If you wish to be added to the mailing list, please send an email to cgs.manitoba@gmail.com