

MGS Webinar on Ground Improvement with Deep Soil Mixing (DSM)

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Case study of DSM to
support reinforced soil
wall



**2nd October 2026
(Friday) | 4.00pm**

Webinar series by MGS representatives who attended
and presented papers at the ICSMGE 2026 in Austria in
June 2026.

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Ir. Si Jet

Associate
Meinhardt Malaysia
Sdn. Bhd

BEM Approved CPD: 2
Ref: IEM26/PP/O66/T(w))
PEB's PDU: 2
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Webinar on Ground Improvement with Deep Soil Mixing (DSM), case study of DSM to support reinforced soil wall

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SYNOPSIS

With the increasing demand for safer, more cost-effective, and sustainable solutions in the construction industry, geotechnical engineers are often required to develop innovative approaches to challenging ground conditions. Ground improvement can provide an effective solution to such geotechnical challenges, with the selection of the appropriate technique being dependent on factors such as ground conditions, design requirements, construction constraints, and project objectives.

This presentation will introduce the key considerations in selecting a suitable ground improvement technique, with a particular focus on Deep Soil Mixing (DSM). The principles of DSM, key design considerations, and factors influencing its applicability will be discussed. A case study involving the application of DSM to support a Reinforced Earth wall will also be presented, highlighting the design approach and practical considerations in implementing DSM.

The presentation will conclude with a sharing session on the speaker's participation in the 8th International Young Geotechnical Engineers Conference in Graz, Austria, which was sponsored by the Malaysian Geotechnical Society (MGS).



SPEAKERS BIODATA

Ir. Si Jet is a registered Professional Engineer with Practising Certificate (PEPC) with the Board of Engineers Malaysia (BEM). He obtained his Bachelor of Engineering (Civil) from Universiti Teknologi PETRONAS (UTP) in 2018 and subsequently earned a Master's degree in Geotechnical Engineering from Universiti Teknologi Malaysia (UTM) in 2021.

He began his career as a geotechnical engineer with a local consulting firm in Malaysia, gaining experience in a broad range of geotechnical engineering projects. He subsequently joined Keller (M) Sdn. Bhd., where he was involved in the design and technical review of specialist ground improvement solutions. He is currently an Associate in Meinhardt Malaysia Sdn. Bhd., within the Geotechnical Division, where he undertakes geotechnical design consultancy services for building and infrastructure projects.

Beyond his professional practice, Ir. Si Jet actively contributes to the engineering community as a committee member of the Institution of Engineers Malaysia (IEM) Tunnel & Underground Space Technical Division (TUSTD) and the Youth Wing of the Malaysian Geotechnical Society (YMGS).



Starting April 2025, webinar presentation slides will ONLY be made available in the MGS Website Members Area upon speaker's consent.

For more information, check out our website at



www.mygeosociety.com

Or email us at



mgs@mygeosociety.com



Registration Fee

MGS/IEM/GeoSS/CTGS/HKGES/MyIGS/HATTI

Member: **FREE**

Non-Member: **RM20.00 per person**



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**IMPORTANT

Each approved registrant will receive a unique Zoom link for the webinar.
A minimum attendance of 75% is required in order to obtain a certificate of attendance.