

John Mitchell Award Lecture

Wednesday 22nd January 2020 at 18:30

Institution of Civil Engineers, One Great George Street, London, SW1P 3AA

The Temporary Support of Excavations

Stuart Marchand
Wentworth House Partnership

Summary:



The talk will provide a wide-ranging review of the type of support available for providing ground support and their limitations of use for deep excavations. This will include discussion on connection details, why these are important and where they can go wrong. The challenges associated with underpinning excavations will also be explored. Stuart will address a comparison between permanent works and temporary works and the factors to consider in making this distinction. The lecture will consider construction sequences and methods

for deep basements leading into a discussion on the possibilities for constructing a 3-storey basement. This will include the significance of propping levels and how these can affect the works.

Programme

18:00 Tea/coffee - Brasserie
18:30 Lecture followed by Q & A
19:45 Drinks reception

Registration

Book online:

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Drinks reception sponsor



Further information overleaf/

The Temporary Support of Excavations

Biography

Stuart Marchand, MA(Cantab) FICE FStructE, graduated from Cambridge in 1973 and spent the majority of his first 8 years of experience in heavy civil engineering on road and bridge construction and on the Thames Barrier.

He transferred to the temporary works design sector of the industry and joined Costain Construction's temporary works department as Senior Design Engineer, progressing to Chief Engineer in 1991. He was involved in many major developments with deep basements such as the 7-storey underground car park in Aldersgate and 12-15 Finsbury Circus, a 16m deep open cut basement.

In 1999 he left to set up Wentworth House Partnership which he has developed as a specialist Temporary Works Consultancy. Stuart has written and contributed to a variety of publications including the ICE proceedings on Civil Engineering, Geotechnical Engineering, Forensic Engineering as well as The Structural Engineer and CIRIA C761 (tower cranes foundations).

He currently spends most of his time developing and mentoring the staff within Wentworth House Partnership



Please join us afterwards for drinks sponsored by



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