Welcome to the second webinar in the series 'how to make the ground work for you'

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A Guide to Wet Cast Displacement Piling

Nicola Carr MSc BSc (Hons) GMICE Senior Design/Estimating Engineer – Midlands

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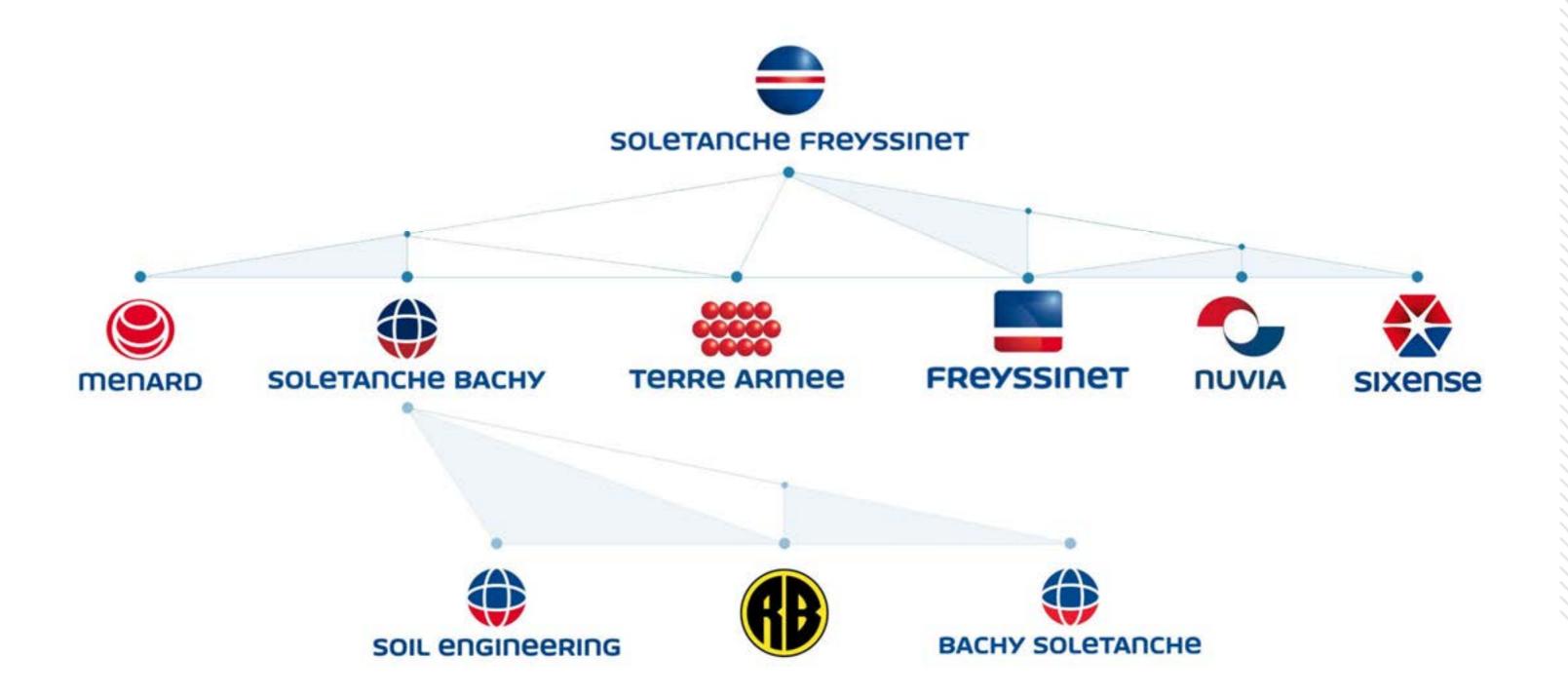




01

Our Business







About

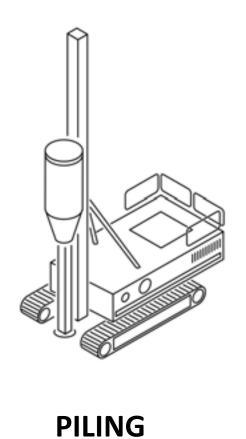


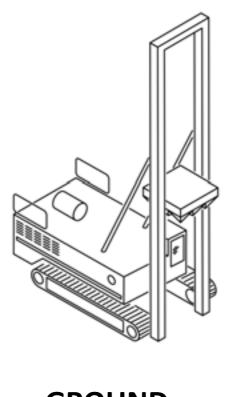


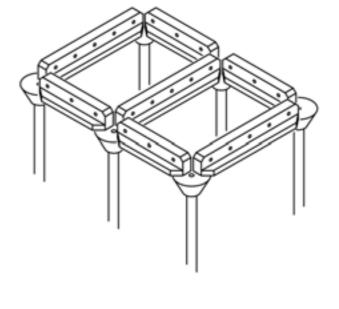


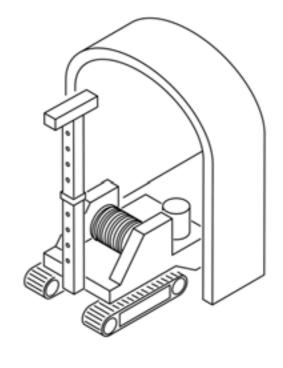


Wealth of experience...









GROUND IMPROVEMENT

FOUNDATIONS

RESTRICTED ACCESS



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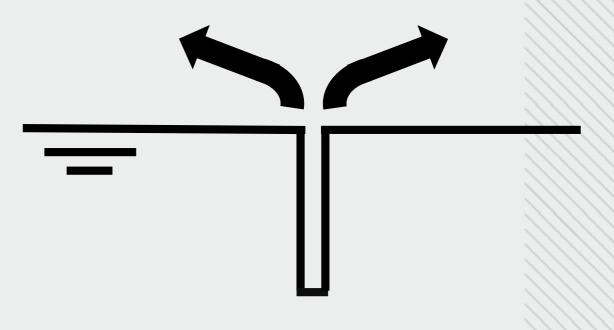






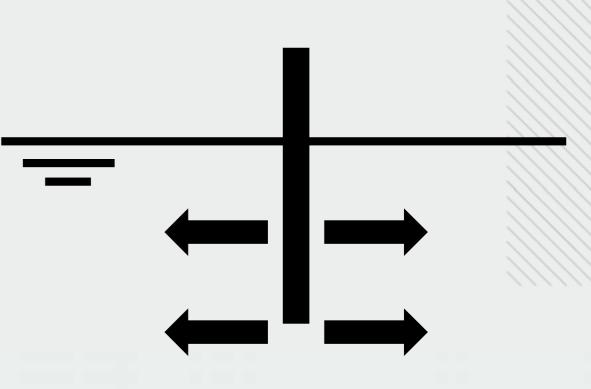
Replacement Piles

Insitu Concrete



Displacement Piles

- Preformed Steel or Concrete
- Insitu Concrete



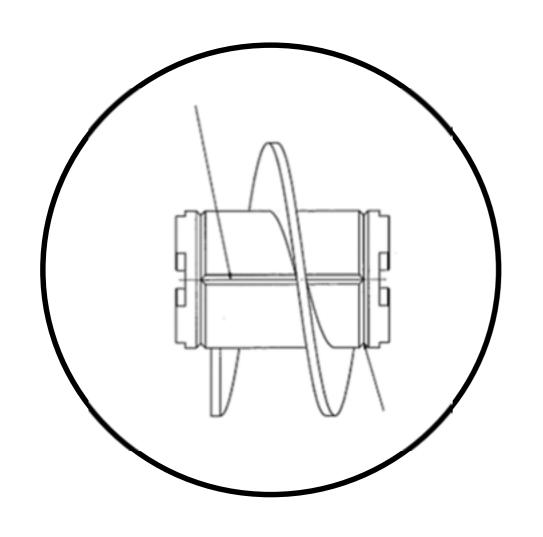


02

Continuous Displacement Auger (CDA) Piles



Continuous Displacement Auger (CDA)









Continuous Displacement Auger (CDA)

Alternative to 300mmm CFA

Up to 500kN compression

Overconsolidated Clay & Soft-Stiff Clay

Loose to medium dense granular

Chalk

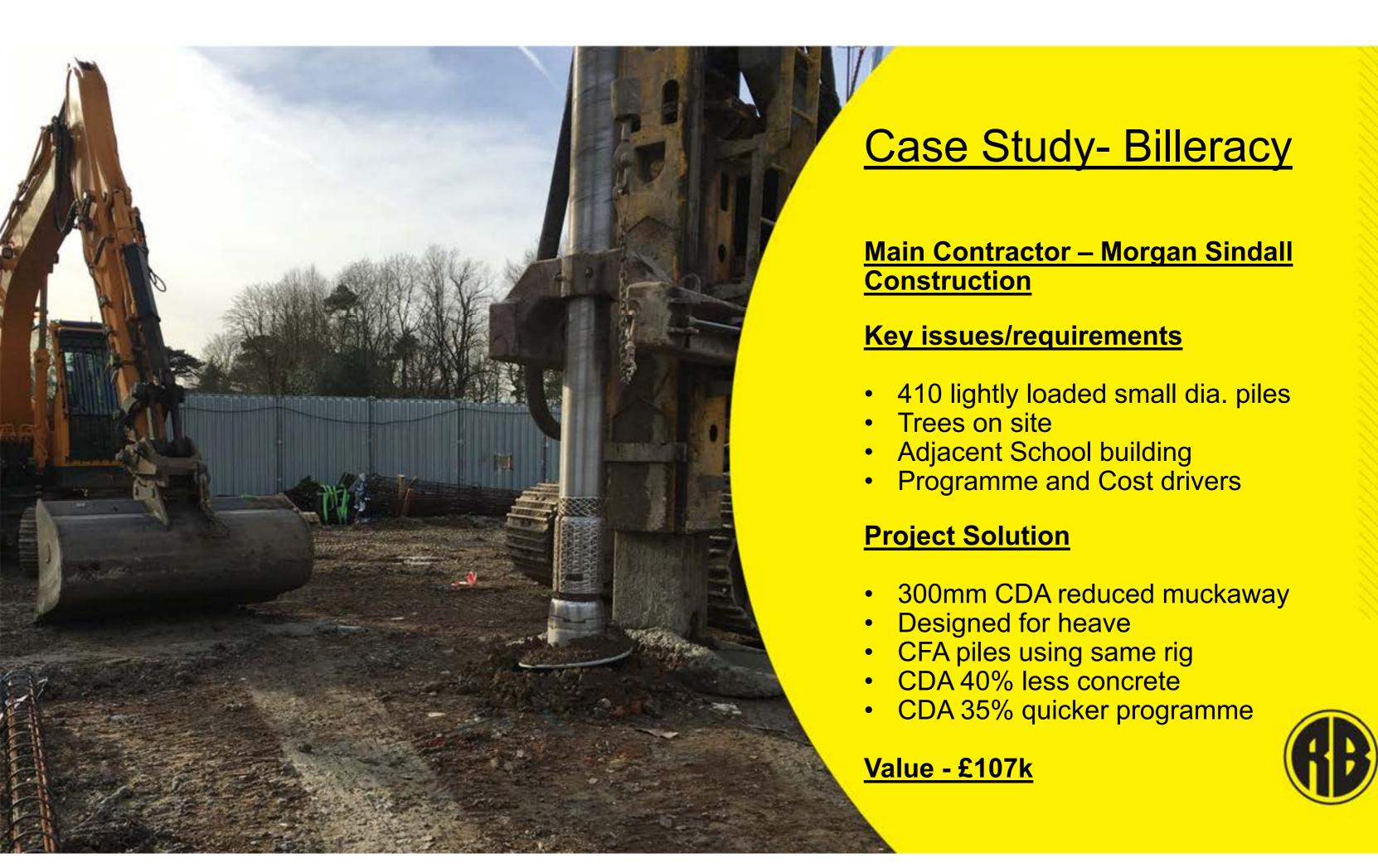
Beams, Caps, Slabs

Lightly loaded Structures

Mix with CFA for adjacent structures





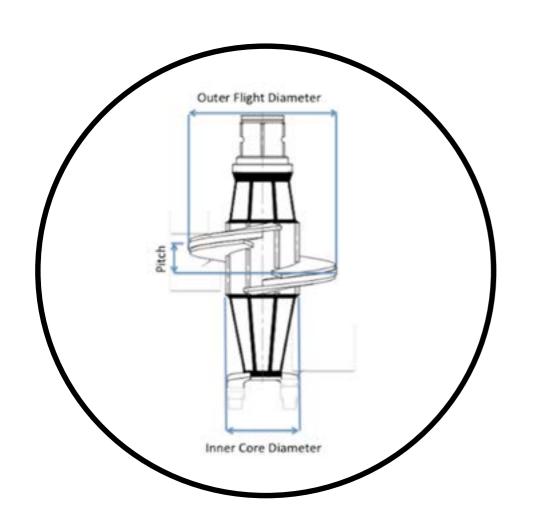


03

Continuous Helical Displacement (CHD) Piles



Continuous Helical Displacement (CHD)

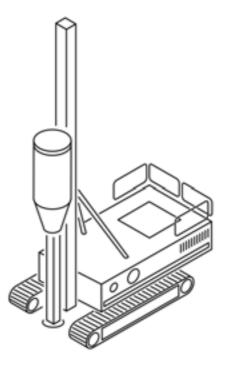








CHD Video...



PILING



Continuous Helical Displacement (CHD)

- 2 sizes (300/600mm, 400/700mm)
- Up to 1000kN compression
- Similar soils to CDA
- Minimum 5m exclusion zone
- Below beams, caps, slabs
- Contaminated arisings
- All Sectors
- Material and programme savings





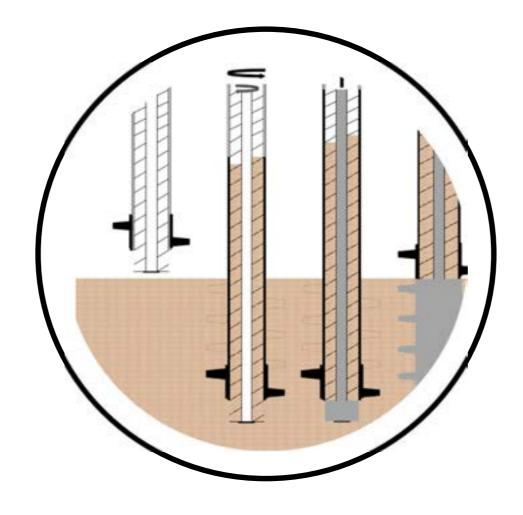


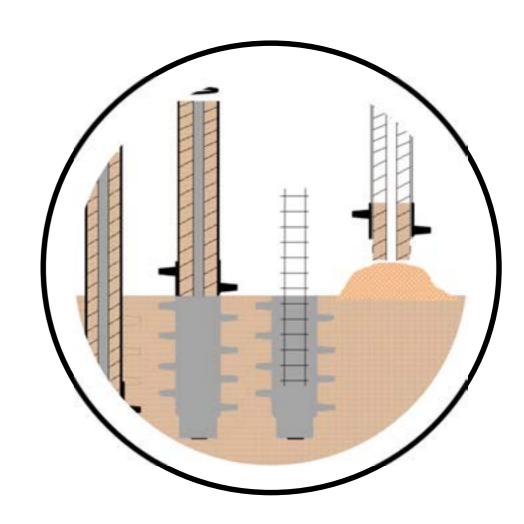
Continuous Helical Displacement Auger (CHAD) Piles



Continuous Helical Auger Displacement (CHAD)



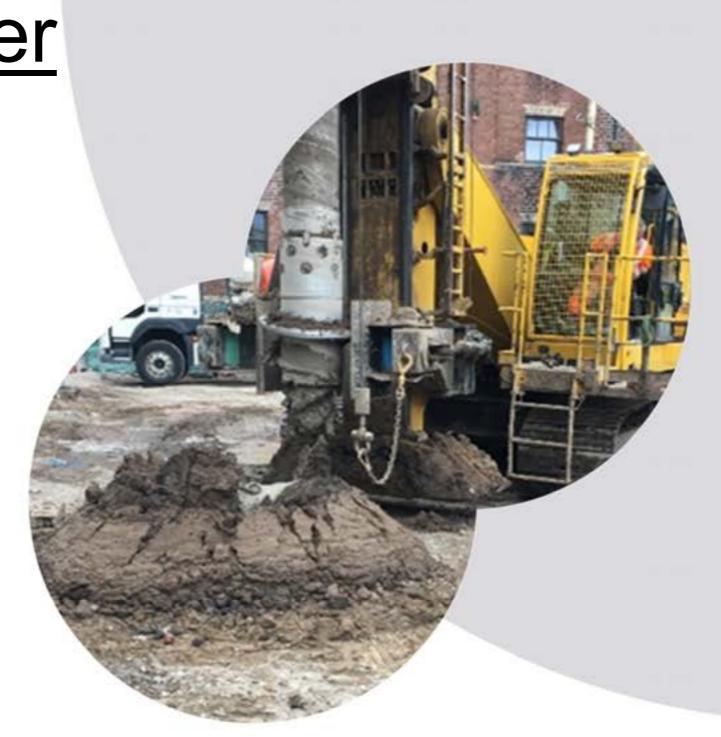






Continuous Helical Auger Displacement (CHAD)

- 450/750mm size
- In excess of 1000kN compression
- Variety of soil, including denser granular bands
- Large Cores of Piles
- Below beams, caps, slabs
- All Sectors high rise residential/commercial







<u>SUMMARY</u>



CDA Pile



CHD Pile



CHAD Pile



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