



Ground Engineering Products and Services



Strata Geotechnics

- Vetrak[®] Restricted Access Cable Percussive Rig
- Vemog[®] On-Track Rail Ground Investigation Rig
- Window Sampling and Dynamic Probing
- Environmental Drilling
- Insitu Testing and Sampling
- Laboratory Testing
- Cable Percussive Boreholes and Rotary Open Hole/Coring
- Noise and Vibration Monitoring
- Insitu Monitoring and Instrumentation
- Pile Testing (Static, Dynamic & Integrity)
- Geothermal Borehole Installation
- Plate Bearing Tests
- Factual and Interpretative reporting



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Open Site Piling

Driven Piles

- Precast Concrete – 200mm to 350mm
- Steel Tube
- Steel H-Section
- Bottom Driven Thin Wall Steel

Drilled Piles

- Odex Rotary Percussive – up to 275mm diameter

Augered Piles

- Continuous Flight Auger (CFA) Piles – 300mm to 1200mm diameter to 35m depth
- Cased CFA Piles - up to 1200mm diameter to 26m depth
- Contiguous and Secant Piled Retaining Walls – up to 1180mm diameter
- Rotary Bored Piles – up to 2500mm diameter to 70m depth
- Auger Displacement - up to 450mm diameter
- Geothermal Piles

Specialist & Restricted Access Piling

Driven Piles

- Steel Cased Driven – 75mm to 323mm diameter
- VeMech[®] Precast Concrete Piles – 150mm or 200mm square
- Circular Hollow Section (CHS)
- Grundomat Piling

Drilled Piles

- Rotary Auger Bored Piles – up to 1000mm diameter
- Sectional Flight Auger (SFA) - up to 750mm diameter
- Rotary Percussive – up to 600mm
- Duplex Rotary Percussive – up to 660mm diameter casing and 600mm diameter socket
- Odex Rotary Percussive – up to 275mm diameter
- Elemex DTH permanent ring bit system—up to 900mm diameter
- Screwpiles
- Drilled Hollow Threaded Bar Systems
- Highway Piling - Up to 1800mm diameter to 25m using Soilmec STM-20 truck mounted rigs

Ground Stabilisation

- Drilling and Grouting – investigation and subsequent consolidation
- Ground Anchors – temporary and permanent bar, strand and self-drilling
- Soil Nails – temporary and permanent bar, strand and self-drilling
- Rock Bolting/Steel Dowel works in tunnels



Ground Engineering Products and Services



Specialist On-Track Rail Solutions

Pile Types

- Sheet Piles
- Thick Wall Steel Piles ≤762mm
- Drilled Piles
- Elemex DTH Piles
- Trackbed Stabilisation Smartpiles®



Plant

- Colmar T10,000FS & FSC RRVs
- Colmar T12,000 RRVs
- Movax Side-Grip Pile Vibratory Hammers
- BSP Top-Driven Impact Hammers
- Daedong Vibratory Hammers
- Movax Telescopic Auger Drills
- VE-SPA
- T10,000FSCG Road/Rail cranes
 - Lifting and tandem lifting of OLE masts, footbridges, gantries, signals, station canopies etc.

Smartfoot® Precast Modular Foundations

- Uniquely installed with or without piles
- Fast/Safe
- Cost-effective
- Sustainable
- No waste/reduced excavation

Smartbase® Precast Modular Road/Rail Base

- Fast - Only 15 minutes to install a base
- Cost-effective
- Ideal for OLE, gantry/signal & lighting columns
- Safe & sustainable with no waste & reduced dig

Bespoke Precast Modular Bases

- Completely bespoke, purpose-built foundation solutions for use in all sectors and locations

Van Elle Training & Assessment Services

- CPCS & CSCS testing & renewals
- NPORS
- NVQs
- CITB Site Safety Plus Training
- Health & Safety Training
- First Aid Training
- Driver CPC



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