



# Keller UK Capabilities

Piling • Piled Walls • Ground Improvement • Specialist Grouting • Ground Anchors • Soil Nails • Retaining Structures • Instrumentation and Monitoring  
The UK's widest range of geotechnical solutions



[www.keller.co.uk](http://www.keller.co.uk)

[www.phigroup.co.uk](http://www.phigroup.co.uk)

[www.geo-instruments.co.uk](http://www.geo-instruments.co.uk)

PILING

- CFA piling
- Driven precast piling
- Rotary bored piling
- Specialist drilled solutions
- Driven steel piling

**CONTACT: RICHARD SMITH**  
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[richard.smith1@keller.com](mailto:richard.smith1@keller.com)

PILED WALLS

- Contiguous bored piled walls
- Secant bored piled walls
- King post retaining walls

**CONTACT: NICK COOMBES**  
 07872 455724  
[nick.coombes@keller.com](mailto:nick.coombes@keller.com)

GROUND IMPROVEMENT

- Vibro stone columns
- Vibro concrete columns
- Rigid inclusions
- Dynamic deep compaction
- Environmental stone columns
- Vibro compaction

**CONTACT: ROB HERRING**  
 07767 446830  
[rob.herring@keller.com](mailto:rob.herring@keller.com)

SOIL MIXING

- Deep dry soil mixing
- Wet soil mixing

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SPECIALIST PILING

- Rail and Highway piling
- Restricted access piling
- Minipiling

**CONTACT: ANTHONY LUCAS**  
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[anthony.lucas@keller.com](mailto:anthony.lucas@keller.com)

GROUTING

- Compaction grouting
- Permeation grouting
- Jet grouting (Soilcrete)
- Compensation grouting
- Bulk fill grouting

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STABILISATION

- Ground anchors
- Soil nailing

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GROUNDWATER CONTROL

- Diaphragm wall
- Slurry cut-off walls
- Permeable reactive barriers
- Ground freezing

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RETAINING STRUCTURES

- Permacrib timber crib
- Andacrib concrete crib
- Gabion baskets
- Precast L-shaped walls
- Textomur reinforced soil slopes
- Modular block reinforced soil structures
- Soil nailing facing systems

Design, supply & installation

**CONTACT**  
**ROB TORRINGTON**

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MONITORING SOLUTIONS

- Structural and geotechnical monitoring
- Environmental monitoring - Noise, vibration and dust
- Manual surveying and Automated Total Stations
- Wireless solutions
- Fibre optic instrumentation
- Liquid levelling cells
- ShapeArray Instrumentation
- Load cells
- Sub-surface monitoring

SOFTWARE

- Data visualisation software
- QuickView - online and mobile data visualisation
- Survey network adjustment software
- Software systems for Compensation, Jet and Permeation grouting
- Bespoke applications

**CONTACT**  
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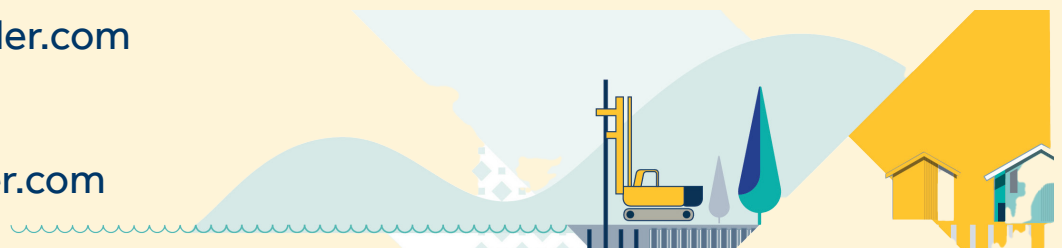
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**Keller UK - together or separately,  
our divisions can work for you**

**Talk to our business development team about your project:**

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# Solutions Matrix

Applications

Applications	Techniques																									
	GROUTING				GROUND IMPROVEMENT				EARTH RETENTION				STRUCTURAL SUPPORT	GROUNDWATER CONTROL												
Tunnel Portals																										
Piling																										
Earth Retention																										
Environmental																										
Foundation upgrade/repair																										
Groundwater Control																										
Road and Rail Stabilisation																										
Liquefaction Mitigation																										
Swallow Hole Remediation																										
Slope Stabilisation																										
Ground Improvement																										
Tunnelling Stabilisation																										
Underpinning																										
Void Filling																										

For full details of each technique visit [www.keller.co.uk](http://www.keller.co.uk)

This chart represents techniques that could apply to the listed geotechnical challenges. The actual applicability of a particular technique will be dependent upon the soil character (soft, loose, stiff, dense, organic, collapsible, etc.) and its composition (clay, silt, sand, cobbles, boulders, etc.). Occasionally, multiple techniques used simultaneously could provide a more economical solution. Other considerations include accessibility, availability of materials, presence of utilities or other underground obstructions, and many other internal and external influences. Consult with your local Keller representative to discuss specific site conditions and appropriate Keller geotechnical construction solutions.