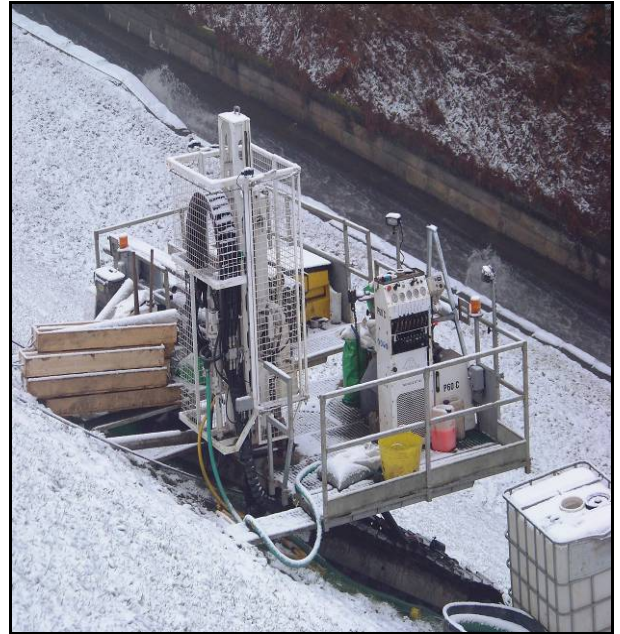




CAPABILITY STATEMENT

Geotechnical Engineering Limited has been providing site investigation services since 1961. We currently employ approximately 140 staff and have an annual turnover in the order of £8 million. The Company is independently owned and delivers a comprehensive range of site investigation services to a broad variety of markets including transportation, construction, renewable energy, utility providers and the environmental sector.

Geotechnical Engineering Limited is consistently engaged in high quality site investigation throughout the United Kingdom and regularly works with Government agencies, local authorities, Network Rail, main contractors and developers.



We have achieved ISO accreditation in the areas of Quality, Environment and Health & Safety. This compliments our other accreditations: CSCS Gold Award; LinkUp, (rail); UVDB, (Electricity Alliance); SafeContractor and ConstructionLine.

As part of the Ground Investigation services we offer, we have a variety of drilling services, in situ testing and monitoring, soil and rock testing laboratory services and Geotechnical and Geoenvironmental Investigations. We also install Ground Source Heat Loops. Further information is available from our website www.geoeng.co.uk or alternatively forward your enquiry to geotech@geoeng.co.uk





Drilling Services

Geotechnical Engineering Limited prides itself on providing unique solutions for what is often considered a very traditional sector within Civil Engineering. We are consistently investing heavily in research and development. Our Pioneer rig is a compact track mounted rig that has the capability of soft ground drilling and coring rock. The "one rig does all" has proved very popular due to its small footprint, clean drilling techniques and continuous sampling capability.

Our most recent innovations have included the introduction of specialist slope climbing rigs capable of traversing and working on slopes of up to 50°, negating the need for expensive and time consuming scaffold platform construction. A variation of the P45 rig has recently been developed to help to stabilize slopes using electro-kinetic techniques.



We employ some twenty teams of drillers on a full time salaried basis and run a fleet of Pioneer, Terrier and Comacchio 450P rigs, as well as the P45 and P60 slope-climbing rigs. We can offer:

- Heavy duty dynamic sampling to 20m depth, to obtain near-undisturbed continuous samples of up to 112mm diameter retained in a plastic liner.
- Rotary core drilling to 120m+ depth to obtain continuous rock cores of up to 112mm diameter, using a range of drilling flushes in vertical or angled holes.
- In situ sampling and testing including SPT's, undisturbed sampling (70 or 100mm), packer and permeability testing.
- Hollow stem auger boring to 30m depth, forming boreholes of up to 300mm diameter and allowing the installation of up to 150mm diameter standpipes.
- Rotary percussive and open-hole boring to in excess of 150m depth.
- Installations and instrumentation from simple standpipes and inclinometers to vibrating wire piezometers and extensometers.

Our Drilling crews are all registered with the CITB and the majority have, or are working towards the NVQ Level 2 in Land Drilling. Each crew member has a current CSCS card and has attended an emergency first aid training course. They receive fire and manual handling training, and relevant additional driver training (C1, B+E).

We are also able to offer crews certified to National Grid Person and Competent Person; Network Rail PTS (Personal Track Safety), COSS, IWA, LANTRA, LUL (Entry level and Track Accustomed), EUSR (Energy and Utilities Skills Register), SPA (Safety Passport Alliance) Forecourts, and CAT (Cable Avoidance Tool) and RD4000.



Ground Source Heating - Borehole Installations

Geotechnical Engineering Limited has extended its considerable expertise into the ground source heating sector. We provide drilling services to form holes up to 150m deep and provide and install the closed loop system ready for connection to the appropriate heating pumps.



The intrusive part of the investigation is typically managed and supervised by these teams, whether it is a small trial pitting project or a major investigation for a million pound plus scheme. We routinely carry out fieldwork supervision, logging, trial pitting, in situ testing, surveying and monitoring.

Results from the fieldwork and laboratory are usually incorporated into a report. This can take the form of factual data or alternatively include geotechnical recommendations and interpretation. The geo-environmental team also provide human health risk assessments, remediation strategies and verification reports.

Ground Investigation Services

Geotechnical Engineering Limited employs over thirty-five professionally qualified staff specialising in geotechnical engineering, environmental services and ground investigation. The geotechnical and geo-environmental teams range in experience from recent graduates to chartered professionals with over twenty years experience.

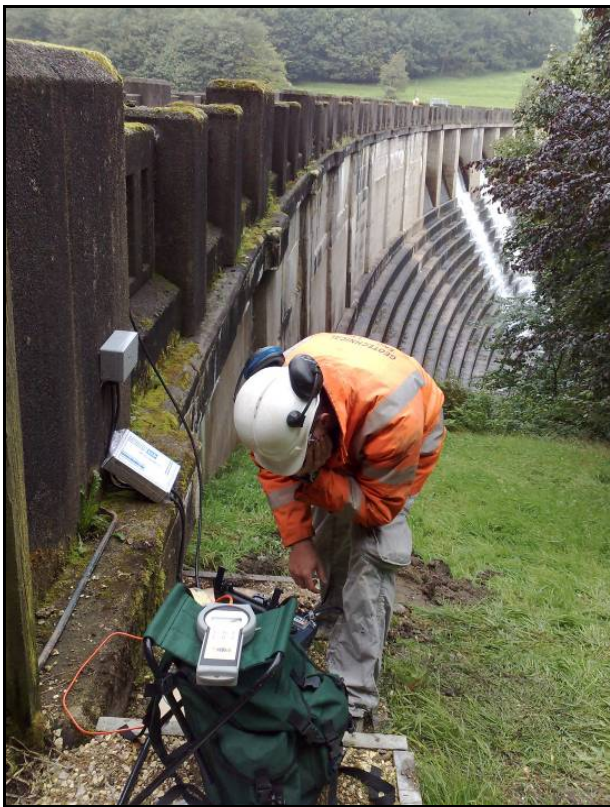
We regularly undertake the design and planning of site investigations, often incorporating the provision of phase 1 desk study reports.





In Situ Testing & Monitoring Service

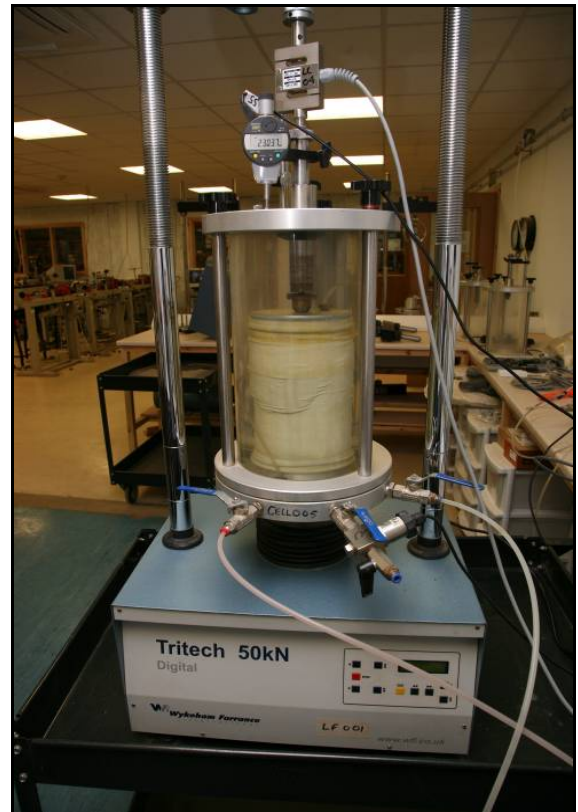
Geotechnical Engineering Limited has a specialist team, offering in situ testing and monitoring services. We carry out a wide range of in situ testing in accordance BS1377 including plate bearing tests, in situ CBR testing and sand replacement density tests, as well as dynamic cone penetrometer testing mexecone testing and sampling.



We can offer an inclinometer reading service and dedicated monitoring team: from simple groundwater and gas monitoring to more complex data capturing and logging of field instrumentation. The team members are certified to Network Rail PTS and IWA (Individual working alone).

Soil and Rock Testing Services

Geotechnical Engineering Limited provides a comprehensive soil and rock testing service from its purpose built laboratory.



We employ a dedicated laboratory team trained in soil and rock testing to BS1377 standards and ISRM approved methods respectively. The laboratory operates a quality system certified to ISO 17025 and accredited by UKAS.

The laboratory offers a full range of soil and rock tests from routine classification testing to more complex data-logged shear box and effective stress testing. We have long and well established relationships with other MCERTS and UKAS accredited contamination testing houses.