

In the company of...
SOLVERS



Business area: Infrastructure

Requirements: On track to achieve a minimum of a 2.1 Bachelor's degree or 2.2 Master's degree in a relevant discipline

Our teams and what they do

Ground Engineering

Degree Requirements: On track to achieve 2.1 Bachelor's / BEng in Engineering Geology and Geotechnics or 2.2 Master's / MEng in Civil Engineering, Earth Science, Engineering Geology, Geology, Geotechnical Engineering, Ground Engineering, Soil Mechanics or related subjects.

Industrial Year Placement Locations: Bristol, Birmingham, Epsom

Summer Placement Locations: Birmingham, Bristol, Cambridge, Cardiff, Croydon, Epsom, Glasgow, Leeds, London, Manchester

Our Ground Engineering team is committed to providing world class geotechnical and engineering geology services to infrastructure and global energy clients, focusing on the engineering behaviour of the ground for complex new build and asset life extension projects. You'll get involved in a broad range of activities including site investigation, 3D ground modelling, geohazard & terrain evaluation, earth structures, foundation design and ground improvement, in both the onshore and offshore environments.

Key duties may include:

- Desk studies and site reconnaissance
- Be involved with site walkovers and inspections
- Supporting specification, planning and procurement of ground investigations
- Gain exposure to ground investigation works on site
- Checking of factual geotechnical data obtained from ground investigations and associated digital data management
- Development of conceptual and observational ground models
- Writing of interpretative reports and derivation of geotechnical parameters for design
- Geotechnical design and associated reporting
- Construction supervision

Tunnelling

Degree Requirements: On track to achieve 2.1 Bachelor's / BEng or 2.2 Master's / MEng in Civil Engineering, Tunneling, or related subject

Industrial Year Placement Location: Epsom

Summer Placements Locations: Epsom, London

Our team provides technically excellent engineering design of tunnelling, underground, and heavy infrastructure, particularly focused on mass transit, rail and major project programmes. You'll be supported by a team with expertise in assessment of ground movements, design of complex foundations and 'ground-contacting' structures, in addition to the assessment of ventilation and fire life safety aspects of utilising underground space. Here you'll get the opportunity to take on a wide range of interesting activities, including site work, design, asset impact assessments, life cycle/risk assessments and project management.

Key duties may include:

- Tunnelling design and associated reporting
 - Micro-tunnelling (HDD, Pipejacking, direct pipe)
 - Large tunnels (TBMs, SCL, Square works.)
 - Ground movement assessment and impact assessment
 - Tunnel Principal Inspection and Asset management
 - Shafts, tunnel's portals and ancillary structures
- Undertaking feasibility studies
- Specification, planning and procurement of tunnels projects
- Working with specialist software to support planning programmes
- Supervision of construction works on site

To apply, please return to the main job specification