

# Site Investigation

## STATS Consulting

- Desk studies, scoping, design, supervision and interpretation of site investigations
- Integrated geotechnical and geoenvironmental assessment, design and consultancy

## STATS Technical Services

- Comprehensive ground investigation, instrumentation and monitoring capabilities
- UKAS-accredited laboratory services

STATS provides a comprehensive package of professional and allied technical services in site investigation and assessment for building and civil engineering projects. We are now one of the UK's leading specialists in integrated geotechnical and geoenvironmental site investigation with interpretative reporting and associated consultancy services.

### Preliminary studies and investigations

- Review of third party reports
- Site reconnaissance and thematic mapping
- Geological and hydrogeological desk studies
- Site history, air photo and remote sensing studies
- Non-intrusive radar and geophysical surveys
- Topographical surveys
- Geotechnical and mining hazard assessment
- Conceptual site contamination models
- Seismic risk assessment
- Scoping and design of intrusive ground investigations

### Ground investigations and monitoring

- Trial pitting, trenching and sampling
- Drive-in window sampling
- Cable percussive boreholes, sampling and testing
- Rotary open-hole and cored boreholes
- Dynamic probing and cone penetration testing
- In situ plate loading, density and CBR testing
- BRE Digest 365 soakage infiltration rate testing
- Geotechnical instrumentation and monitoring – piezometers, inclinometers and settlement gauges
- Environmental installations and monitoring for groundwater quality and gas flow and concentrations
- UKAS accredited laboratory testing
- Geophysical site investigation and non-destructive testing

### Interpretation, assessment and design

- Assessment of geotechnical parameters for design
- Earthworks materials classification and suitability
- Foundation, basement and retaining wall design
- Ground improvement, soil and rock slope engineering
- Contaminated soil, water and gas assessment
- Quantitative risk assessment for human health and water resources and derivation of remediation targets
- Hydrogeological investigations, contaminant fate modelling and SUDS drainage assessment
- Design of remedial strategy, obtaining regulatory approvals and estimates of potential remediation costs



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