

Geotechnical Consultancy

STATS Consulting

- Detailed design of foundation solutions
 - Re-use of foundations
 - Soft ground engineering
 - Slope stability
 - Numerical modelling (static and dynamic)
 - Temporary works design
 - Construction stage monitoring
 - Claims preparation and expert witness
- pad, strip, raft, pile, vibro
 - piles, rafts
 - surcharging, band drains
 - assessment, stabilisation
 - tunnels, slopes, buildings
 - pile mat, sheet piling
 - inclinometer, extensometer
 - expert reporting

A major risk to the timely delivery and cost control of building and civil engineering projects lies in the ground. Common occurrences range from costly over-designed solutions to avoidable claims for 'unforeseen ground conditions'.

To manage this risk more professionally requires a design stage process of adequate site investigation, accurate interpretation of the results, followed up by the appropriate level of geotechnical engineering analysis, design and specification. It is essential that value engineering be considered throughout all of these stages.

STATS provide geotechnical engineering design and consultancy services within the umbrella of the various related disciplines of the wider STATS group.

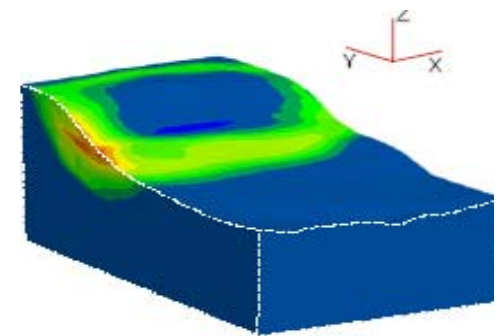
Our dedicated team of geotechnical engineers and applied geologists have experience and expert knowledge in:

- Interpreting site investigation data to provide economic ground engineering solutions.
- Rapid geotechnical and geo-environmental data handling aided by an AGS-compatible software package developed in-house (GEDM).
- Earthworks, ground movements, grouting, ground improvement, piling, spread foundations, retaining wall design, slope engineering and directional drilling.
- The use of the latest numerical modelling software, including static and dynamic analysis.
- Seismic risk assessment and soil-structure modelling
- Obtaining Building Regulation and other regulatory approvals for designs
- Design, implementation and interpretation of ground monitoring systems for deformation assessment.
- Recording and interpreting ground conditions during construction for design validation and claims.

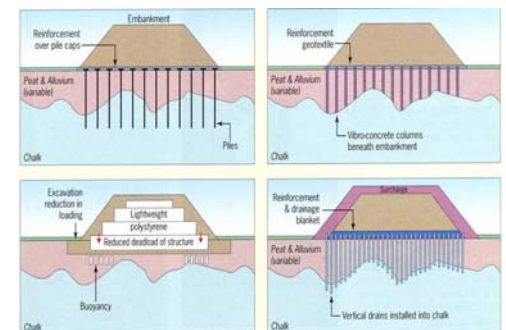
Our team is highly skilled in the latest GIS and CAD software and specialist software developers support our engineers in producing efficient and accurate solutions to unique problems.



Involvement in major infrastructure projects



Predicted displacements during earthquake



Providing cost effective solutions for construction on soft estuarine deposits

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251

