



SITE AND LABORATORY TESTING OF SOIL AND ROCK

CAPABILITIES

- Ground Investigation
- Mining Stability
- Contaminated Land
- Peat Slide Assessment
- Site Testing
- Laboratory Testing – soil & rock
- Desk Studies

GREEN CAT RENEWABLES LIMITED HAS THE CAPABILITY TO UNDERTAKE LABORATORY AND SITE TESTING FOR AN EXTENSIVE RANGE OF PARAMETERS.

This enables the cost-effective design of the project and to monitor the works as they proceed. Although well-known in the renewables sector, Green Cat Renewables undertake this work for a wide variety of development types, including housing, conventional buildings, roads and commercial developments.

Work is carried out to the very latest British Standards or German Standards as appropriate.

COST-EFFECTIVE DESIGN OF THE PROJECT

Careful design of a testing programme can not only provide the necessary parameters for project design but also may allow the use of

innovative processes for cheap and environmentally friendly methods, such as the reuse of rock excavated at the site for road and crane pad construction.

WIDE-RANGING CAPABILITIES

Green Cat Renewables has a wide ranging capability in site and laboratory soil, rock and aggregate testing as detailed overleaf.





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SITE TESTING:

- Plate Load Tests to British and German standards
- California Bearing Ratio (CBR)
- Moisture Condition Value (MCV)
- Permeability Testing in boreholes and standpipes
- Infiltration Testing for soakaway design
- Percolation Testing for septic tank design
- Vane Shear Strength
- Redox Potential
- Resistivity
- P28 and Earth Potential Rise
- Monitoring of groundwater level
- Monitoring of Ground Gas
- Monitoring of Radioactivity
- Peat Probing and Peat Slide Assessments

LABORATORY ROCK AND AGGREGATE TESTING:

- Los Angeles Test
- Aggregate Impact Value
- Aggregate Abrasion Value
- Magnesium Sulphate Soundness Test

LABORATORY SOIL TESTING:

- Moisture Content Tests
- Atterberg Limit Tests
- Particle Size Distribution Tests
- California Bearing Ratio (CBR)
- Moisture Condition Value (MCV)
- Strength Tests to assess bearing capacity
- Consolidation Tests to assess settlement
- Chemical Testing

