

Geotechnical and Environmental Consultancy

The legacy of our industrial past combined with natural geological conditions increasingly impact on land use and development. With their specialist knowledge and wealth of experience the Environmental Scientifics Group's Geotechnical and Environmental Consultancy team provide solutions to ground related and environmental problems to ensure economic viability, safety, legal compliance and most of all sustainability.

ESG's long standing reputation, depth of professional expertise and technical excellence has provided complete, practical and cost effective land use solutions in the areas of brownfield reclamation and remediation, contaminated land, geotechnical engineering, waste and environmental management.

Services include:

- Planning, permitting and EIA
- Geotechnics and engineering geology
- Contaminated land assessment, remediation and regeneration
- Waste management and landfill
- Soil and landscape science
- Environmental due diligence
- Soil dynamics and seismic hazard



Increasing UK and European legislation, heightened environmental awareness and greater use of brownfield land are driving growth for an enhanced level of knowledge and information.

ESG offer a broad range of consultancy, advisory, site based assessment and data management services within the geotechnical, geoenvironmental and environmental sectors both in the UK and overseas.

With a team of more than 50, mainly consultants, specialising in geotechnics, environmental sciences, geology, hydrogeology, environmental chemistry, environmental planning and seismic hazard, you can be sure you are getting the expert knowledge you need when you need it.

Our core services include:

Planning, Permitting and Environmental Impact Assessment (EIA)

In-depth knowledge of UK and European legislation maximises a site's potential through well maintained compliance standards.

Geotechnics and Engineering Geology

At the pre-development stage or following a ground related failure, our advanced computer analysis, modelling and design specialists identify potential problem areas and root-causes to optimise land use, construction costs and long term building/site performance.

Soil and Landscape Science

Helping landscaping and restoration projects realise their potential, our varied activities include soil resource surveys, soil management plans, plant failure investigations, top soil manufacture, plant health risk assessments and groundworks specifications.

Environment Due Diligence

Our due diligence assessment services assist in the estimation of potential environmental liabilities and on-site risk.

Soil Dynamics and Seismic Hazard

For monitoring seismic hazard we carry out short intensive studies as well as more detailed, longer term projects.

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Contaminated Land Assessment, Remediation and Regeneration

ESG provides complete process management, from desk study through risk assessment to design, for the cost effective remediation of contaminated land and ground water.

- **Site investigation and risk assessment** – ESG use entirely in-house resources to carry out site investigation, laboratory testing, technical interpretation and reporting.
- **Regulatory negotiation** – Our extensive experience in dealing with the Environment Agency, SEPA, NHBC, Local Authorities and other regulators ensures the best outcome for brownfield redevelopment.
- **On-site chemical analysis** – For high quality data within hours of taking a sample, ESG provides on-site chemical analysis for delineation, remediation quality control and determination of suitability of materials.
- **Earthworks material sentencing** – Timely sampling and analysis greatly reduces the cost of materials reuse, double handling, stockpiling and unnecessary waste disposal.
- **Waste classification** – On-site material classification can curb rising costs and environmental harm. ESG's expertise ensures effective separation, disposal and reuse of hazardous waste.
- **Contamination hotspots** – Good quality on-site data to supplement laboratory results is invaluable in enabling the identification and delineation of hotspots in a single phase of investigation.
- **Remediation** – Once contamination is delineated, ESG provides remediation strategies, specifications and contract documents, remediation supervision and validation reports.

Waste Management and Landfill

ESG's understanding of legislative effects and minimising reuse strategies has been paramount in de-risking waste management and landfill projects.