Service and utility detection and mapping
Providing peace of mind

safeground

SafeGround has many years experience in utility surveying and mapping. It is backed up by the latest equipment, and the technical expertise and knowledge of the RSK Geophysics team.

Ensure your health & safety measures prior to site works are managed effectively. Our SafeGround service provides you with the tools to prevent or minimise potentially costly incidents on site.

A range of products are available to suit the client's needs, from simple on site borehole location clearances, to combined topographical and full utility surveys with CAD drawings and associated interpretative reports.

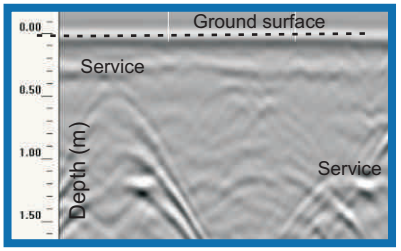
Services list

Products on offer available include:

- **Desk study:** - reviews of statutory service records and other site specific data to plan investigations.
- **Borehole location clearances:** - on site mark outs with borehole location reporting.
- **Field inspection of utility infrastructure:** - manhole condition reporting, including measurements and photographs.
- **Radiodetection tracing and mapping:** - all traceable and accessible utilities accurately recorded and presented on base topographical drawings in a variety of formats.
- **Ground Penetrating Radar (GPR)** surveys deployed in conjunction with radiodetection tracing to identify as many utilities and obstructions, including non-conductive services (e.g. PE gas or water pipes, PVC ducts)
- Post process GPR data utilising specialist software.
- **Topographical surveys:** - from recording borehole location and height data, to full topographical surveys.

Please contact George Tuckwell (gtuckwell@rsk.co.uk) or Gerwyn Leigh (gleigh@rsk.co.uk) for more information

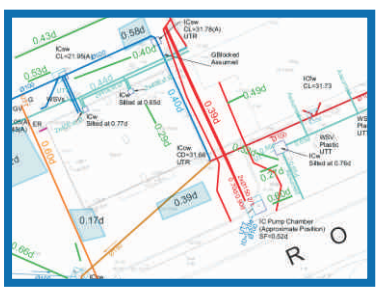
We use the latest technology. The Radiodetection RD8000 is a lightweight cost effective means of detecting and tracing a variety of underground cables, pipes and services.



Radar trace showing location and depth of buried services (shown as hyperbolic reflections)

Collection of radar data can be undertaken with ease using portable equipment. **SafeGround** can be used with or without the radar service. The advantages of the full radar survey include the detection of non metallic utilities and other manmade obstructions such as foundations, concrete slabs, basements, tunnels etc

Radiodetection data, visual inspection and radar data is rectified onto a scaled CAD plan of the site providing a complete picture of underground services and obstructions



For further information please visit **www.safe-ground.co.uk** or **www.environmental-geophysics.co.uk**
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RSK STATS Geoconsult Limited is certified by DNV to ISO 9001, 14001 and OSHAS 18001 for Quality, Environmental and Health and Safety Management.
RSK STATS Geoconsult Limited is also licensed by Ofcom for use of Ground Penetrating Radar.

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