

Applications

RSK Geophysics offers a range of onshore green energy applications including:

- Monitoring seismic vibrations and noise from wind farms
- Gauging ground stiffness and seismic characterisation of ground conditions
- Archaeological surveying
- Assessing pipeline route corridor selection and alignment design
- Mapping of buried obstructions
- Completing geothermal ground-source borehole clearance



The GEEP platform can cover 3Ha per day with a range of instruments to quickly cover large sites.



Collecting seismic data along a pipeline corridor in challenging conditions and terrain.

RSK Geophysics – renewable energy

The RSK Group is an international multi-disciplinary Environmental, Health and Safety consultancy and intrusive site investigation contractor that provides a complete development solution to renewable energy projects. At each stage of the project development cycle we give site specific support whether it relates to an environmental impact assessment, site characterisation or a ground risk assessment or Construction Health and Safety and CDM Co-ordination.

As part of RSK Group, the RSK Geophysics team undertakes geophysical surveying, which is frequently used for these renewable and alternative energy projects; geophysical surveying is particularly beneficial as the techniques are non-invasive and have a lower impact on the environment than conventional drilling methods.

Key benefits of a geophysical survey

- Environmental benefits – non-invasive with minimal disturbance to ground
- Avoidance of damage to sensitive archaeological remains
- Rapid data acquisition for large sites
- Potentially reduced engineering costs through reduced risk

Key projects undertaken

- Berrier Hill Wind Farm (client: West Coast Energy) – We undertook a geophysical survey to detect archaeological-related anomalies at a sensitive site of high archaeological significance.
- Vaunces Wind Farm (client: TCI Renewables) – Works included the detection of unexploded ordnance (UXO) and other buried obstructions, including buried services.
- The Low Level Waste Repository (client: LLWR) – We completed an integrated geophysical mapping survey to improve understanding of the geology of the area around the repository up to and including the local coastline.



For further information, visit us at www.rsk.co.uk and www.environmental-geophysics.co.uk or contact:

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RSK Group plc has achieved certification to the ISO 9001, ISO 14001 and OHSAS 18001 standards for quality, environmental and health and safety management. RSK STATS Geoconsult Limited is licensed by OfCom for the use of ground penetrating radar.