

## Pre-investment surveys

Undocumented greenfield sites present significant potential risk to would-be investors. Heritage, geotechnical and environmental issues can rapidly turn profitable prospects into expensive losses. Intrusive land evaluation techniques provide limited coverage of the subsurface, and are often expensive and time-consuming. Surface geophysical techniques, by contrast, can provide 100% coverage of up to four hectares of ground per day. Areas of potential concern can be prioritised for more detailed follow-up, leading to more intelligent, and often dramatically reduced, pre-investment expenditure.



Detailed magnetometry image showing prehistoric features of regional significance (image width approximately 400m; data courtesy of Archaeological Surveys Ltd)



The value of carrying out geophysical survey well ahead of the actual construction phase was realised when a large number of significantly important archaeological sites were located (see overleaf) along a 17km section of pipeline in south western England. The archaeological potential of this land was unknown but not expected to be particularly high; the geophysics located several features of regional significance!

## Project file

Time on site: 2 days

Reporting turnaround: 7 days

Survey area: 6 hectares

Survey cost: £3,100

Geophysical technique(s) employed: detailed magnetometry

## About us

Arrow Geophysics is a leading supplier of non-intrusive site surveys to both developers and regulators. Using a range of geophysical techniques we identify comprehensive information about the subsurface to reduce the risk of unexpected delays during key stages of site development.

Because of our approach of working with the client from the earliest opportunity, we would be delighted if you made contact with us to discuss your particular project requirements. Our approach can and does save time and money, and we now service the needs of clients operating on five continents.

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