

Fugro Engineering Services Limited

MARINE AND LAND GROUND INVESTIGATION



MARINE PROJECTS

Fugro Engineering Services personnel have considerable experience of marine ground investigations gained from operating in a variety of marine environments throughout the UK and overseas.

The company is well equipped with marine plant and equipment to undertake surveys using either floating or static marine craft, the choice will depend on the scope, location and timescale of the proposed investigation. Floating marine craft such as flat top or Uniflote pontoons are more common and often available in the local vicinity of the project site. The choice of pontoons will, in the vast majority of cases, be cheaper to establish on site and generally cheaper to operate.

Our company can provide a cost-effective quality service operating from floating craft and can dispel the myth that satisfactory marine investigation can only be undertaken from a jack-up platform.

The skills and experience of our operators combined with the availability of appropriate marine plant and equipment enable us to offer a service to suit either choice. However, where the location or specific requirements of the project dictate the use of a jack-up platform, we are equally well-equipped to offer a first class and expert service.



Cable percussion boring and large diameter wireline coring from a jack-up platform



Investigation on tidal mud flats using a cable percussion rig transported between exploratory locations by a hover freighter

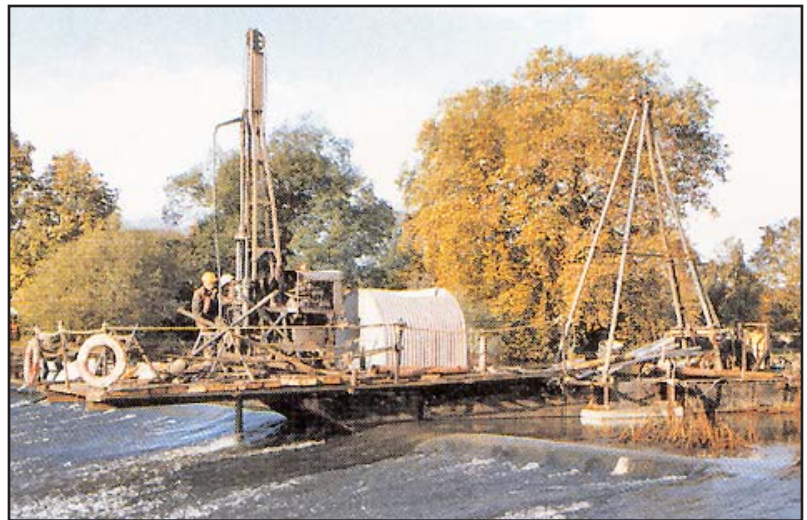
Investigation may be undertaken using various drilling techniques. The wide range of superficial and weak solid formations encountered throughout the UK can be penetrated by the use of cable percussion or rotary coring techniques. Alternative techniques such as vibro coring or simple sea bed grab sampling are also available. All conventional methods of land based sampling and in-situ testing are offered for marine investigations.

The setting out and survey of exploratory hole locations can be achieved using alternative methods depending upon the proximity of the site to established survey control data. Survey of near-shore exploratory positions close to existing structures can often be undertaken using conventional land-based survey instruments and techniques, whereas more remote offshore exploratory locations may require the use of GPS satellite navigation system.

We are also able to offer hydrographic and geophysical surveying services as part of an overall marine survey package through a close working relationship with one of the UK's leading independent geophysical specialists.



Investigation for proposed widening of road bridge



Investigation of existing weirs for river control refurbishment programme

The Fugro Group is an international organisation with around seven thousand staff in over fifty countries. Our major disciplines are Geotechnics, Environmental Services and Survey.

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