

CASE STUDY PROJECT OPAL

Introduction

In early 2020, Bluefield Geoservices was approached by Enshore Subsea to conduct a time-sensitive geotechnical survey of a cable route prior to the commencement of planned trenching operations. The project was necessitated amid growing concerns and inconsistencies in the previously reported data sets.

Enshore Subsea required a cost-effective solution and a rapid-response team to validate the data. Within one day, Bluefield Geoservices was able to mobilize its specialist UK team and boarded Enshore's dedicated vessel to undertake three days of geotechnical CPT operations. Bluefield deployed their ROVcone using a Work Class ROV.



Working in three 12 hour shifts during the 72 hour offshore survey, the Bluefield team completed 37 CPT tests up to 3 m penetration below the seabed. Each CPT test was conducted at 500 m intervals along the trenching route to report on geotechnical conditions of the seabed.



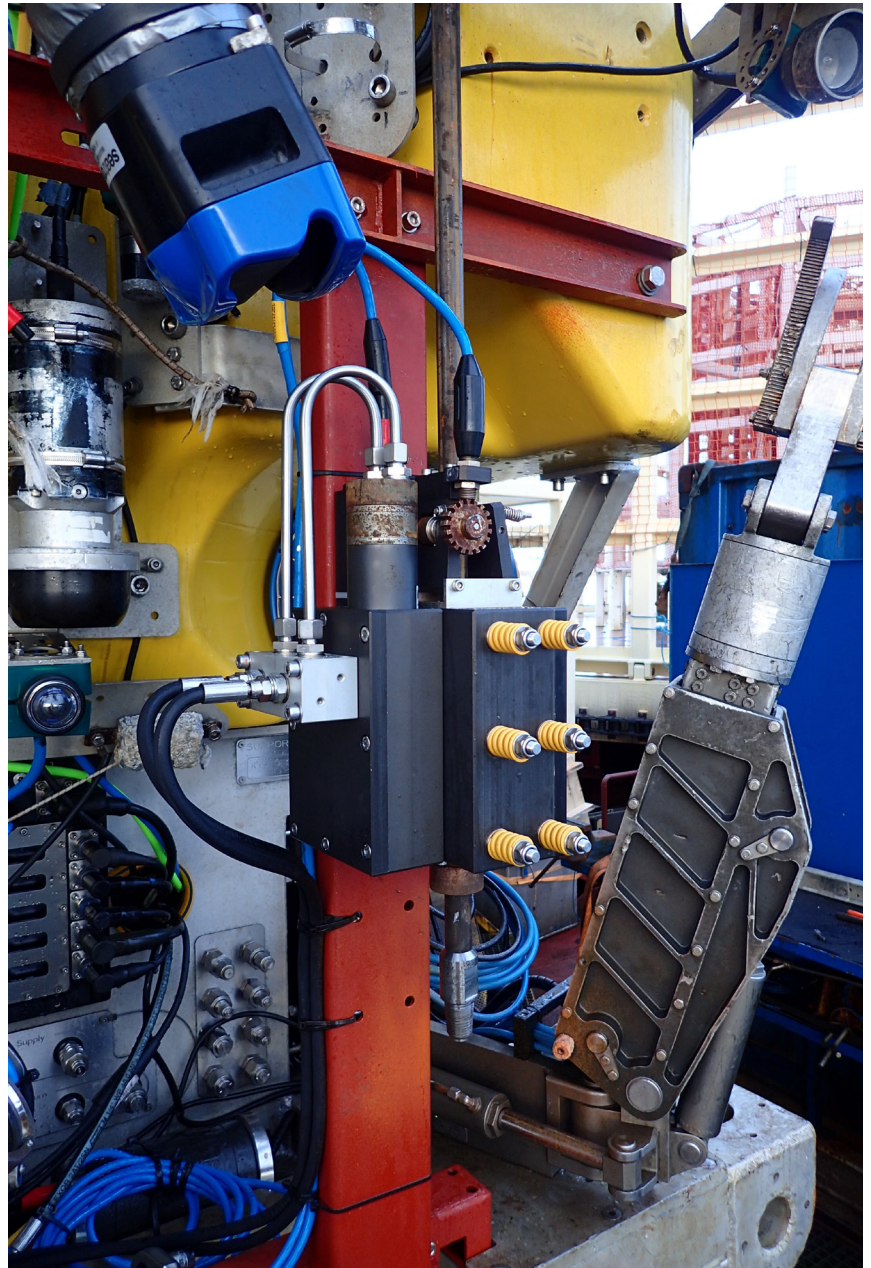
Client	Location	Duration	Water Depth
Enshore Subsea	Offshore Wind Farm Scotland	3 Days	24 - 100 m

The Bluefield Approach

The Bluefield Geoservices team has successfully completed hundreds of offshore survey projects, including geotechnical investigations from drillship, state-of-the-art robotic seabed drill rigs, shallow seabed investigations using various types of seabed testing and sampling systems in all water depths.

With over 100 years of combined experience in offshore geotechnical engineering and geotechnical surveys, and a track record for a commitment to data quality, safe working practices, and innovation, Bluefield is well placed to provide a variety of subsea services. Bluefield designs and operates a range of ROV-deployed geotechnical survey tools including CPT, samplers, and T-Bar testing equipment.

As leaders in geotechnical engineering for trenching and seabed mining, Bluefield brings an integrated approach to projects, blending geotechnical, geophysical, environmental, metocean and other related disciplines to deliver solutions that meet client's exacting needs for shallow and deep-water projects. Bluefield also offers conventional geotechnical systems for offshore soil and rock seabed investigations.



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