



CASE STUDY

GEO TECHNICAL CABLE ROUTE SURVEY

Interconnector Cable Route Geotechnical Survey

In 2021, Bluefield Geoservices conducted a geotechnical survey along the Attica – Crete HVDC Interconnector Cable Route. The objectives were to collect geotechnical samples and data; establish engineering parameters for precision route planning; assess any potential cable burial risk; and test cable performance in advance of the HVDC cable and fibre optic installation. Offshore lab tests included: standard classification testing and photographs of exposed ends of recovered samples; thermal conductivity/resistivity testing; SRB (Sulphate Reducing Bacteria) testing; H2S sniffer testing on all samples. Significant onshore laboratory testing of samples and reporting followed the offshore phase of the project.

Vessel	Location	Duration	Water Depth
MV Astrea	Attica – Crete (Med)	Apr27 - May 19, 2021	20-780 metres

Equipment Employed

35 kN Neptune 5000 CPT

Vibrocore

Piston Core & Grab Samples

SoW: 207x CPT to 3 metres

79 x VC/PC to 3 metres



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