

Horizon Geosciences Completes Site Investigation Fieldwork on Vineyard Wind Project



Horizon Geosciences, together with subcontractor Seaforth Geosurveys, has recently completed the fieldwork phase for geophysical surveys and geotechnical investigations at the site of the proposed Vineyard windfarm, offshore Massachusetts, USA, on behalf of Vineyard Wind.

Horizon provided the dynamically positioned geotechnical drilling vessel *Horizon Geobay*, which has previously performed over 10,000m of geotechnical borehole investigations for offshore wind development. A number of deep geotechnical boreholes were drilled at the specific locations of offshore wind turbines to provide soils data for foundation engineering and installation assessment. A complex lab testing programme is currently ongoing.

Bathymetry and seabed imaging

Seaforth has performed geophysical work from the vessel *Kommandor Iona* to provide bathymetry, seabed imaging, sub-bottom and magnetometer data for seabed clearance, inter array cable routing, and lateral variability assessment. Both vessels worked closely with Vineyard Wind and BOEM to ensure the project specifications were met.

Lance Hanson, projects director for [Horizon Geosciences](https://www.hydro-international.com/content/news/horizon-geosciences-completes-site-investigation-fieldwork-on-vineyard-wind-project) said: "This is a significant project for both Horizon and Seaforth as we see significant future opportunities in US offshore wind. Being involved in one of the earliest ground investigations for a large scale offshore windfarm in the US is a great achievement for both companies".

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