

Due to the push for renewable energy and the drive to achieve net zero by 2050, Sumitomo Electric are planning to build the UK's first sub-sea HVDC cable manufacturing plant.



Bainbridge Brothers Limited (BBL) were appointed by Earth Environmental & Geotechnical, on behalf of their client the Port of Nigg and in turn their client Sumitomo Electric, to complete the ground investigation (GI) for the proposed factory.

In total 59 boreholes were undertaken across the site in a grid formation within the footprint of the new factory. The GI was undertaken between July and September 2023. The majority of the boreholes were drilled using cable percussion techniques to bedrock, with rotary follow on coring within the bedrock to a maximum depth of 25m below ground level (bgl). Fourteen of the boreholes were drilled to install groundwater monitoring standpipes only, finishing at a depth of 10m bgl.



More information on the projects can be found at:

- <https://sumitomoelectric.com/press/2025/02/prs015>