



CAUSEWAY
GEOTECH



NEARSHORE GI AT SCAPA/HATSTON



CLIENT

Orkney Islands Council



CLIENT REPRESENTATIVE

Arch Henderson LLP



SITE OPERATIONS

October 2021 – April 2022

NEARSHORE GI AT SCAPA/HATSON

PROJECT OVERVIEW

Causeway Geotech were appointed by Orkney Islands Council to carry out a nearshore ground investigation for the provision of geotechnical and environmental information to characterise ground conditions at the proposed development of Hatston Pier and deep-water quay at Scapa Flow.

The construction of the development required investigation of the superficial soils and bedrock geology to progress the design and construction of the pier development for Hatston Pier and the new deep-water quay at Scapa Flow.

OUR APPROACH

- **29 no. overwater boreholes** by sonic drilling and Geobor S wireline coring
- **10 no. wash probes** by sonic sampling methods
- **1 no. surface sediment sample** by Van Veen grab sampler
- **Environmental sampling** of the soft sediments for Disposal at Sea analyses
- **UXO Survey**
- **Overwater works** were completed out off an C5 Combi-float Self Elevating Platform supplied by OCM
- **Factual ground investigation reporting**



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THE PROCESS

Siteworks were carried out under the supervision of Site Engineers from Causeway Geotech who liaised with the Client's Representatives to ensure all aspects of the works were completed safely and as per the project requirements.

We liaised with the local council and harbour office along with the local community proved invaluable to coordinate works and barge moves ensuring a safe working practice were adhered to.