

Marine Sampling Holland

Sampling in a wide range of environments

Marine Sampling Holland B.V. is ISO certified and has advanced coring and drilling equipment operated by personnel with a long standing experience specialised in soil sampling of ocean floors, river- and lake beds, bottoms of harbours and canals.



The personnel of Marine Sampling Holland have gained over 40 year's world-wide experience, from the Arctic- to the Antarctic area and all seas and oceans in between. The range of equipment available varies from superficial sampling of the sea bed for a first reconnaissance of sedimentological or chemical composition by samplers as Van Veen grabs, box corers or hamon grabs. For geo-chemical sampling of sandy bottoms special a self operation corer takes undisturbed samples with a penetration of up to 80 cms. A mini gravity corer is operated from small vessels in shallow waters as lakes and rivers.

Deeper information till max. 5.5 m below seabed is obtained by deploying electrical- or hydraulic vibrocorers. The hydraulic vibrocorers collect undisturbed samples of sandy, gravelly or clayey sea beds within only 30 seconds.

For deeper information MSH has systems available for counter flush/ airlift drilling. With these systems, disturbed samples can be taken in sandy, gravelly and clayey soils till 12 – 20 m below seabed. For lowering equipment to the seabed, MSH has its own winches and davits available with cable lengths between 1,000 to 5,000 m. A containerised mobile workshop allows the drilling-technicians to perform on-board repairs when needed.

For sampling of the deep-sea floor, piston- and gravity corers are available with which undisturbed soil

samples can be taken till depths of approximately 18 m below seabed. Sampling can be carried out for a broad field of applications, for example:

- Investigations for quantity and quality of building and infill aggregates (sand, gravel).
- Investigations for quantity and quality of mineral deposits.
- Route survey and geo-technical investigation for laying of pipelines and sub-marine cables.
- Geo-technical investigation of (off-shore) constructions.
- Chemical composition of sea bed sediments.
- Dredgeability analysis.
- Scientific research.

The projects recently carried out comprise amongst others sand search for the infill of harbour extensions, coastal extensions, artificial islands, beach nourishment, deepening of shipping routes, stability of tidal bed forms, sampling for geo-chemical studies of the sea bed.

The combination of geo-technical, geological knowledge of Marine Sampling Holland in close co-operation with her sister company Wiertsema & Partners (www.wiertsema.nl)

Together with state of the art marine and land drilling and coring equipment makes Marine Sampling Holland the right partner for investigations in a wide range of on- and offshore projects.



Marine Sampling Holland

Basisweg 155
1951 NG Velsen-Noord
P.O.Box 56
1950 AB Velsen-Noord
The Netherlands

T: +31 (0)251 27 14 13
F: +31 (0)251 22 94 46

E: info@marinesamplingholland.nl
I: www.marinesamplingholland.nl