

Geotechnical surveys

mineral resources

offshore wind farms

coastal zone analysis

seabed monitoring

oil and gas pipelines

inspection works

dredging works

aggregates

coastal zone analysis

power and telecommuni-
cation cables

Sediment sampling

Static CPT sounding

Geotechnical drilling

Preparation of comprehensive
administrative documentation

Our strength lies in people

We offer professional consultancy as part of the measurements and surveys conducted, along with professional assistance in offshore project planning. We provide a full range of geotechnical services – from all kinds of preparations and surveying, through data processing and analysis, to the submission of final reports to the Client, accompanied by comprehensive geophysical interpretation. We also prepare the relevant documentation.

At MEWO S.A., we focus on delivering work in a sustainable and efficient manner, meeting all international standards required in terms of safety, surveying and data processing. We have experienced surveyors and cutting-edge equipment. Our team comprises specialists in marine hydrography, geophysics, geology, subsea geomorphology, geodesy and oceanology. We constantly strive to improve our qualifications by participating in courses, training events and industry conferences in order to provide top class services.

We cover the full spectrum of geotechnical surveys. The process involves a versatile team of specialists – from the processing department preparing the maps and indicating the optimum survey location, through vessel crews, project managers, laboratory technicians analysing the samples, the logistics department handling the swift transport of samples, to specialists analysing the report and preparing the necessary documentation. We have been building our dedicated team for over two decades. While delivering our final survey reports, we always focus on professionalism to help our Clients make infor-

med decisions on the possibility of implementing their planned projects.

Geotechnical surveys involve collecting soil samples from the seabed using various techniques, according to specific requirements. The surveys make it possible to determine the technical parameters of the soil, including its resistivity, and thus the investment potential. A detailed assessment of the technical parameters of the seabed on the basis of laboratory tests and soil resistivity is essential for the cost-effective planning and design of offshore structures and subsea systems.

Laboratory

MEWO S.A. holds framework agreements with the laboratories of the Maritime Institute and GEOTEKO. That is where classification, strength, consolidation and chemical tests are performed using our equipment.

Sediment sampling

Our service portfolio includes the collection and laboratory analysis of seabed soil samples. Depending on the need, we use two types of surveys – employing a Van Veen grab sampler or a vibrocorer.

The former is a surface survey of seabed sediments. When lowered to the seabed, the grab sampler penetrates the seabed merely under gravity, closing automatically and grabbing a sample of the surface layer of disturbed soil. Thanks to laboratory testing, we can identify the composition of the seabed surface layer, together with the resident microorganisms, and determine whether or not a project can be implemented at a given location.

For more diverse laboratory tests, vibrocoreing (VC) is recommended. This procedure provides a sediment core sample with a complete cross-section of layers to a depth of 60 metres below the seabed. Once the samples are properly prepared, we transport them to a laboratory, where they are subjected to selected tests. Our partner laboratory is one of the few in Poland to offer the necessary tools for direct simple shear testing. This equipment can perform monotonic and cyclic tests.

Static CPT sounding

Thanks to the static CPT (cone penetration test) method, we can determine water pressure, cone tip resistance, compaction of non-cohesive soils, soil plasticity index, consolidation coefficient and other seabed parameters important from the perspective of potential projects. This helps assess soil strength and plasticity, and determine whether or not it is possible to carry out the installation or construction works intended. This method is very popular as the result is obtained immediately.

Geotechnical drilling

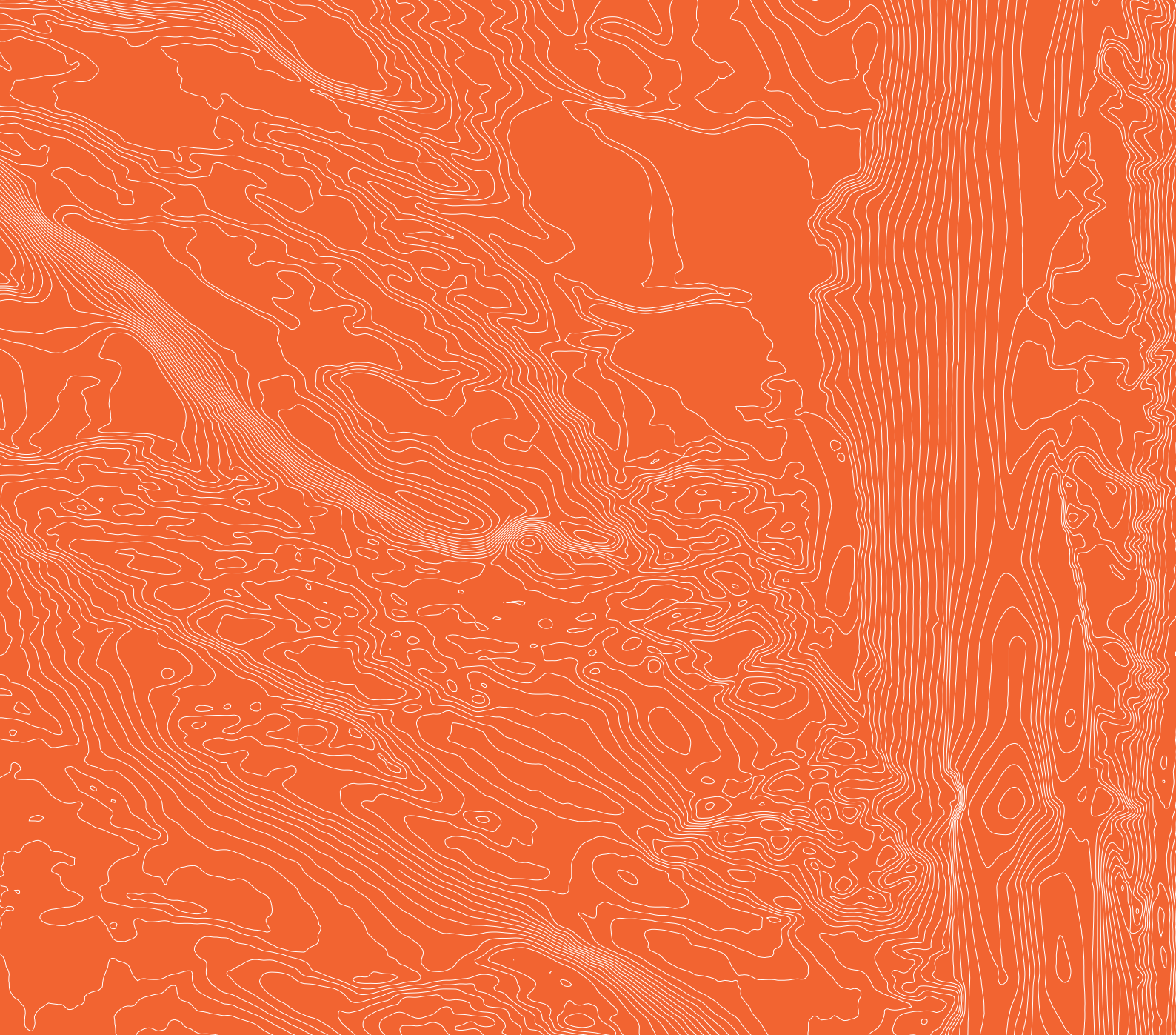
We offer comprehensive implementation of deep drilling projects. The drilling work is carried out on our behalf by trusted Subcontractors – leaders of the offshore deepwater drilling sector, ensuring top quality of the samples collected. For this purpose, suitable vessels are selected to match the depth of the sea area, the soil characteristics and the type of samples required. The wide range of vessels in our Partners' fleets ensures the optimum vessel selection, which reduces survey time and minimises costs incurred by the Client. The collected samples are submitted to the laboratories for testing, in accordance with the catalogue.

Preparation of comprehensive administrative documentation

We prepare reports summarising activities related to operations, surveying, methodology (both in terms of the survey methodology applied and the data processing methodology) as well as interpretation. All types of annexes and appendices, such as separate operational documents, constitute an integral part of the reports. Final reports are enriched with suggestions and recommendations regarding direct project implementation.

We know how valuable time is. Therefore, at the Client's request, we obtain all kinds of reports or permits in line with the scope of the surveys, e.g.: environmental decisions, building permit, geotechnical work programme, geological-engineering documentation, etc. As part of an extended report, we can supplement the results with AGS files with full data for the point surveyed.





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Our Safety Management System

MEWO S.A. continually strives to ensure the highest level of safety in projects implemented both at sea and on land. We are guided by international standards in terms of workflow planning, risk assessment and selection of personal protective equipment.

Integrated Management System

MEWO S.A. pledges to provide services at the highest quality level and to meet the highest standards of occupational health and safety, with full commitment to environmental protection. In order to fulfil this declaration, an Integrated Management System has been implemented in accordance with the requirements of ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018, certified by the DNV certification body. The system is continuously monitored, improved, developed and managed.

Focused on sustainable development, natural environment and corporate social responsibility, MEWO S.A. operates in accordance with the guidelines of ISO 26000. In line with the sustainable development strategy adopted, we strive to integrate business activities and values, thanks to which the needs of all stakeholders, clients, employees, communities and the environment are reflected in the Company's policies and activities. We make every effort to ensure that all business operations are conducted in an ethical and sustainable manner.

Policies established at MEWO S.A.:

- Quality Policy
- Environmental Protection Policy
- Occupational Health and Safety Policy
- Alcohol and Drug Policy
- Compliance Policy
- MEWO S.A. Code of Ethics
- Human Rights Policy
- ESG Strategy
- Sustainable Development Policy