

Innovational **Geophysical and Geotechnical**

Offshore Services

MULTIENERGY




GEOFIZYKA TORUŃ
GRUPA ORLEN

Company profile

Since 1966 we have been supporting multienergy companies in solving their most complex challenges in the field of renewable energy resources, hydrocarbons & minerals exploration, nuclear energy, construction & mining industry and natural energy storages. Our experienced team of geophysicists and geologists – some of most innovative professionals in the industry – strive to push the limits of geoscience and geoengineering every day, using leading-edge solutions to maximize understanding of the earth's subsurface as to produce energy safely and efficiently.

Our story:
[GT corporate movie](#)



[GT offshore movie](#)



Our offshore services

Geological Drilling and Geotechnical Services

Combining extensive geophysical, geotechnical and hydrogeological experience with the most advanced equipment, we supply a wide range of comprehensive ground and seabed explorations to determine environment conditions for industrial and technical infrastructure, offshore wind farms and submarine cables connecting offshore wind farms with the coastal infrastructure.

Offshore, nearshore and transition zones seismic

Applying the newest ultra high resolution seismic (UHRs) systems as well as innovational application of onshore nodal systems for diverse and challenging transition zones, we provide integrated seismic data that helps multienergy companies to maximize efficiency and lower costs of offshore investments, regardless of sea bottom challenges.

Engineering Geophysics

Using the most modern methods and survey equipment, we support designers and developers of wide range of tasks - geological, engineering, hydrogeological, geotechnical and environment protection - with appropriate measurements, analyses and documentations.

Our C-726 Self-elevating Platform manufactured by Combifloat

ISO 9001:2015
for Quality Assurance

ISO 14001:2015
for Environmental Protection

ISO 45001:2018

CO₂ reduction geoscience

KEY FACTS AND FIGURES



Key geotechnical services

- ✓ CPT, CPTU, SCPTU, SPT in boreholes
- ✓ Collecting soil samples with a vibro-corer
- ✓ Geotechnical drilling
- ✓ Collecting soil samples for laboratory tests and NNS samples
- ✓ In-situ Thermal Resistivity Tests (TRT)



Key offshore geophysical services

- ✓ Multi-channel UHR seismic
- ✓ Bathymetry and hydrography
- ✓ Magnetometry
- ✓ Seismoacoustics



Our assets:

- ✓ **experienced and professional team** of engineers, geophysicists, geologists and hydrogeologists
- ✓ **advanced and versatile geotechnical equipment**, including **Self-elevating Platform C-726, LRS 275 DUO sonic drilling rig, CRS 170 XL DUO sonic drilling rig, Manta 200** - 20 tons CPT probe, vibrocorers and also drilling rigs: H61S.2-Wamet, Delta Base 550, JOY 3, URB 2,5A, KRETOMAX 150, PAT DRILL 301
- ✓ **advanced geophysical equipment**, including **UHRs system** (streamers, multi-tip sparker system and multi-trace recorder), Multibeam Echo Sonuder (**MBES**), Singlebeam Echo Sounder (**SBES**), **GNSS** aided Inertial Navigation System, Sub Bottom Profiler (**SBP**), Transverse Gradiometer, Sound Velocity Profiler
- ✓ **all-inclusive services**, starting from drawing up the Geological Work Project, through completion of the field works, until the full documentation for the entire project
- ✓ **commitment** to meet individual objectives, expectations and the highest QHSE standards

Geofizyka Toruń S.A.

Chrobrego 50, 87-100 Toruń, Poland

+48 56 659 3101

office@GTservices.pl

www.GTservices.pl

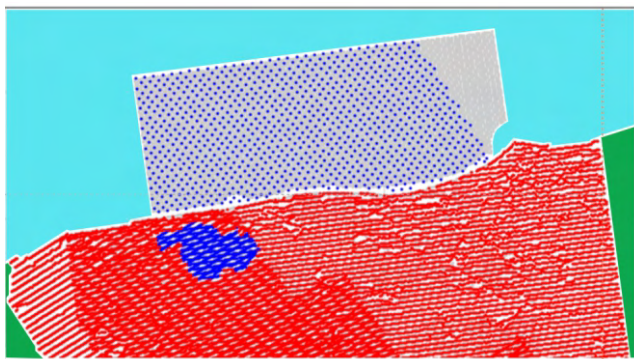
Innovational application of nodes in diverse and challenging transition zone

- ✓ reduced operational costs
- ✓ increased operational flexibility
- ✓ ability to work in harsh weather conditions
- ✓ homogeneous system helps to achieve a seamless data processing approach
- ✓ seismic imaging in areas previously inaccessible for both operational and economic reasons

Digital brochure



Transition zone regular 3D survey (the Baltic Sea area)



- Seismic sources (grey points)
- Geophones (red points)
- Hydrophones (blue points)

