THE LEADING GEOCONSULTING COMPANY IN THE BALTIC STATES
MISSION

Our mission is to provide high-quality geoconsulting services, making a minimal impact on the environment.

Geobaltic – is an experienced, socially responsible company. Environmental friendliness is our top priority. Geobaltic delivers its services according to international standards of ISO 9001:2015, ISO 14001:2015.
Geobaltic was established in 2004 as a geoscience consulting company with the main focus on seismic data processing and interpretation projects. Since 2010 Geobaltic provides 2D/3D onshore seismic acquisition and well-loggining services.

Our company’s activities are inseparable from high-tech applications, therefore we have close links with academic institutions. We employ a large number of highly skilled professionals with PhD and MSc degrees.
Our main areas of activity:

- 2D/3D Seismic Data Acquisition;
- Seismic Data Processing;
- Seismic Data Interpretation;
- Well – logging;
- Seismic shot hole drilling
- Geotechnical services
- Core drilling
- Water well drilling
- 2D/3D GPR survey
- Electrical Resistivity Imaging
- 3D terrain scanning
2D/3D SEISMIC DATA ACQUISITION

Geobaltic has unique experience in seismic acquisition under various land conditions including swamps, dense forests and transition zones.

We use a wireless system, as well as a portable mini-drilling rigs in wetland areas and forests. That gives an opportunity to run seismic surveys without soil damage, while preserving ecological systems.

2D/3D seismic surveys are performed applying express processing and interpretation in the field conditions. This enables clients to make quick decisions regarding adjustments of the project to get the best geological results.
EQUIPMENT

Land recording systems:

- Sercel UNITE cableless system
- Geospace GSX autonomous data recording system

Sources:

- land: accelerated weight drop (United Service Alliance)
- forests & marshes: dynamite explosions in the shot holes (depth 4 m)

We have at our disposition a variety of geophones:
- geophones GS-One in land case (OYO Geospace)
- geophones GS-One in marsh case (OYO Geospace)
- 6 geophones GS-32 CT string (OYO Geospace)
Geobaltic provides a wide range of well-logging, from deep well-logging for oil/gas exploration (up to 3000 m) to engineering purposes (up to 150 m).

Openhole Logging
- Casedhole Logging
- Formation and evaluation
- Mud Logging
- Downhole Seismic Survey

Methods:
- Natural Gamma;
- Electric log;
- Focussed Electric (Guard) Log;
- Verticality;
- Three-Arm Caliper;
- Full-Waveform Sonic
SEISMIC SHOT HOLE DRILLING

Productivity:
up to 100 shot holes (4m depth)
GEOTECHNICAL SERVICES

The geotechnical investigations are carried out by the following field methods:

Borehole drilling to determine the geological structure

Cone penetration test (CPT)

Cone penetration test with pore water pressure measurement (CPTU)

Dynamic penetration test (DPSH)
CORE DRILLING AND WATER WELL DRILLING

Drilling rig capable to drill up to 130 m
GROUND PENETRATING RADAR

Services
• 2D/3D GPR data acquisition
• Data processing and interpretation

GPR Applications
Non-invasive archaeological surveys;
Engineering surveys (foundations, pipes, cables location);
Geological surveys;

Equipment:
• Ground Penetrating Radar Zond-12 (Radar Systems, Inc.)
• 300, 500 MHz antennas for geological purpose, and 900 MHz antenna for archeological and engineering purpose.
ELECTRICAL RESISTIVITY IMAGING

Geobaltic has extensive experience in karst region studies as well as engineering-geological surveys, environmental (contamination) studies.

Services:

2D/3D Resistivity data acquisition

data processing and interpretation.

Equipment: AGI SuperSting R8, Allied Tigre 128
3D TERRAIN SCANNING

Applications:
Archaeological Monitoring
3-D Buildings
Topography & Digital Terrain Models
Health safety and environmental protection are primary concerns of Geobaltic.

The company has developed a modern, fully integrated Safety Management System for HSE in all aspects of operation procedures, employee policies and quality management.
JSC "Geobaltic" has been assessed and certified as meeting the requirements of Quality management systems - Requirements (ISO 9001:2015) and Environmental management systems - Requirements with guidance for use (ISO 14001:2015).
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