



Advanced geophysical technics

GEOSPECTRUM ADVANCED GEOPHYSICAL TECHNICS

SERVICES

- SURFACE DIAGNOSTIC
- GROUND STUDIES
- STABILITY ANALYSIS
- CUBATURE CALCULATIONS
- MINING AND GEOLOGY
- ENGINEERING
- OBJECTS LOCATION
- EXPLORATION GEOPHYSICS

COMPLEX SERVICE

The GeoSpectrum company supplies **geophysical, geotechnical, geology, and stability studies in engineering**. Comprehensively carries out audits of the substrate using the latest methods and acquisition techniques. Additionally **provides consulting services in the selection of geophysical methods** and the scope of their work for optimum performance engineering tasks. On behalf of investors, supervises and verifies **geophysical and geological services** of other entities.



CONTACT



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SELECTED PROJECTS



New Silesian Museum Katowice
– seismic testing in the deep hardcoal exploitation area



PGE Turow powerplant
– georadar acquisition in the new energy block area



Silesian rail trial
– high - resolution georadar profiling for railway line modernization



Airport Cracow Balice
– georadar studies of taxiway surface and construction



Wind farm
– seismic testing for new wind turbines



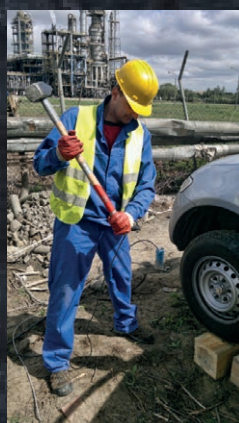
Wisla river flood embankment, Plock
– seismic testing of continuity of built - in DSM barrier



Oxygen installation AirLiquide
– seismic testing in area threatened by subsidence



Hard mine, Katowice
– gravimetric studies in the shallow exploitation area



Oil refinery
– downhole seismic testing for new DRW installation



Hardcoal mine, Silesia – seismic studies for large buildings



Chemical Plant Solveco
– georadar studies for underground object location

GROUND STUDIES

SURFACE DIAGNOSTIC

STABILITY ANALYSIS

CUBATURE CALCULATIONS

MINING AND GEOLOGY

ENGINEERING

OBJECTS LOCATION

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SERVICES

The company includes among its activities offers a comprehensive geological and geophysical services for all kinds of design and construction, and performs specialized expertise as built using, among others, non-invasive geophysical methods.



Recognition of the soil and rock

using non-invasive surface and borehole geophysical engineering methods



Cubature determination

of organic soils, native and bulk, as well as municipal disposal and mine waste dumps



Diagnostics of technical condition of roads

and airport surface, as well as concrete slabs, and identification of reinforcement, anchors, plugs and other structural elements



Evaluate the usefulness of investment land

for the presence of voids, loosened, landslides and areas at risk of deformities



Non-invasive localization

of objects such as pipes, cables, tanks, old foundations, vaults, cellars, shelters and other infrastructure undocumented



Recognition of environmental pollution of soil and water

on investment areas like post-mining, post-industrial or former military



Calculation of continuous and non-invasive

changes with depth, in the value of dynamic modulus of elasticity of the soil for designed construction objects



COOPERATION

Our customers include construction and design companies, geological, energy and transport as well, such as Skanska, Budimex, Tauron, EDF, PGE, Gaz-System, AirLiquide, Orlen, Lotos, mines, and the management of Roads, Rail-roads and Airports. We also perform scientific expertises and judicial opinions in respect of statutory as specialists in the area geophysical surveys.



TO OBTAIN MORE INFORMATION WE INVITE YOU TO VISIT OUR **WEBSITE**
AND TO CONTACT US
GEOSPECTRUM.PL

EXPERIENCE

Company staff has **many years of experience in managing and carrying out geophysical surveys for engineering tasks**. This experience has been gained while working in the field of science-research and industry. Since 2001, the team worked at the Polish Academy of Sciences and in commercial geophysical companies as specialists. Staff has cooperated also with the AGH University of Science and Technology, Central Mining Institute, EMAG in engineering geophysics.

At that time, they participated in the **implementation of several research projects funded by the Ministry of Science and Higher Education (formerly MEiN, Ministry of Science and KBN)**. During that time they have implemented new, innovative seismic, gravimetric and georadar acquisition systems. Contributed to the widespread use of geophysical engineering both in the scientific as well as commercial applications.

Currently, the company **cooperates with research units** such as the Academy of Mining and Metallurgy, Silesian University of Technology, University of Technology, Poznan University of Technology and the University of Warsaw. Additionally, partnered with several commercial research institutes, as well as geophysical foreign companies.

The company has qualified staff in the design, management, geophysical and geological documenting. Its achievements has 20 scientific publications and co-authored several hundred of finished documentations, studies, expert opinions and reports of geophysical and geological jobs.



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