



METRISI

GEOMETRISI
GEOTECHNICAL GEOLOGICAL
GEOPHYSICAL INVESTIGATIONS & STUDIES
26 MICHALAKOPOULOU STREET, ALIMOS, 17456
TEL/FAX : 210-9969370
E-MAIL:INFO@GEOMETRISI.GR

GEOLOGICAL – GEOTECHNICAL CONSULTANTS «GEOMETRISI»

GEOMETRISI office personnel have over 20 years of experience in their fields. Specialized personnel are occupied in the fields of geotechnical engineering, engineering geologist, geophysicist, environmentalist and lab geologist. GEOMETRISI possesses a privately owned soil and rock testing laboratory, geotechnical investigation rigs and equipment for seismic assessment of structures.

Our office offers the following services:

- Geotechnical investigation and foundation design of structures (buildings, building blocks, industrial facilities, dams, roads, tunnels, bridges, pumping houses, winds parks, etc.)
- Laboratory and in-situ testing (soil and rock mechanics, concrete, aggregates).
- Slope stability analysis
- Seismic assessment of buildings (according to Greek National Specifications).
- Geological investigation and design, geological mapping.
- Landslide investigation and rehabilitation design.
- Geophysical investigation and design (detection of karst cavities, pipes, faults etc).
- Geological – geotechnical consulting services during construction (wind parks, dams, roads, tunnels, bridges, pumping houses, etc)

A) GEOTECHNICAL INVESTIGATION AND DESIGN

GEOMETRISI privately owns fully equipped investigation rigs (Core barrels, cutting bits, rods, drill pipes, samplers, specialsamplers, pumps, SPT samplers, casings, etc) for soil and rock sampling both on land and offshore.

After drilling, selected samples of soil and/or rock are carried to our privately owned laboratory for testing

Factual and interpretation reports are prepared followed by foundation design report where geotechnical design parameters are calculated, foundation analysis is performed and a foundation proposal is given.



B) IN-SITU AND LABORATORY TESTING

LABORATORY TESTING

Our laboratory is situated in a privately owned building. All soil and rock mechanics tests are performed as well as quality control tests (sampling, compaction tests etc) GEOMETRISI laboratory operation is licensed from KEDE of Ministry of Infrastructure, Transport and Networks.





IN-SITU TESTING

- Equipment for in-situ soil mechanics testing (Plate Load Testing, CBR, Density in Place by Sand Cone method, subsoil monitoring using Inclonometers)
- Equipment for in-situ rock mechanics testing (Large Plate Load Test, In Situ direct shear test of discontinuity, Rock Hardness by Rebound Hammer)
- Quality control testing of soil compaction, aggregates, concrete and asphalt.
- Investigation and quality control of suitable materials for construction



C) GEOLOGICAL INVESTIGATION AND DESIGN

Our office can carry out geological investigations and design individually or in association with others in larger study teams. Some indicative areas are the following:

- Geological suitability studies for urban planning
- Geological design for road construction
- Special geological design for emergency conditions (landslides, settlements, etc) and construction of technical works (wind parks, etc)



D) GEOPHYSICAL DESIGN

Our office owns the required geophysical equipment (Electrical Tomographer, Georadar, seismograph for MASW) and software for the execution of geophysical investigations and design such as:

Locating and surveying of karst cavities.

Locating and surveying of faults, thickness of weathered zones or soft soil structures.

Measurements of soil electrical resistivity (mainly for wind parks, photovoltaic parks, refineries, etc)



E) SEISMIC ASSESMENT OF BUILDING

Our office performs seismic assessment of buildings based on the 2017 2nd revision of CODE OF STRUCTURAL INTERVENTIONS (EPPO).

Quality control of hardened concrete structures and concrete testing, especially for renovation of existing buildings and licensing of illegal buildings is also performed.

Our office owns the required equipment and software for the execution of non destructive (Rebound Hammer testing, pull out testing, rebar detection, cover and diameter size measurement, ultrasonic testing, carbonation testing,) and destructive (core and cubic sampling) testing.



We look forward to a successful working relationship in the future

Sincerely yours,

GEOMETRISI

A handwritten signature in blue ink, likely belonging to D. S. Loukas.

D. S. Loukas

Engineering Geologist

A handwritten signature in blue ink, likely belonging to S. G. Nikoloudakos.

S. G. Nikoloudakos

Engineering Geologist