

GEOTEC SPA

SOIL INVESTIGATIONS & LAND SURVEYING

SURVEY DEPARTMENT

www.geotecspa.com



MANAGEMENT SYSTEMS CERTIFICATIONS

Geotec SpA prides itself on the high standards it has achieved.



MANAGEMENT SYSTEM STANDARDS

UNI EN ISO 9001:2015

UNI ISO 45001:2018

UNI EN ISO 14001:2015

EMAS Environmental Management System

SA8000 Corporate Social Responsibility

SOA: Italian Public Works Certification

for the following categories

OS20B cl. VIII - OS20A cl. IIIbis - OS21 cl. II

OUR PARTNERS



OUR MEMBERSHIPS



ABOUT US AND WHAT WE DO

Geotec S.p.A. , known as TPS in 1974, has been working for 35 years primarily in the geophysical industry.

Founded in 1986, GEOTEC SPA (formerly known as TPS in the 70's & 80's) has been working primarily in the geophysical industry providing surveying, drilling, recording services to public authorities and private companies in the O&G for over 35 years. In 1996 GEOTEC SPA took over Discovery Geophysical Services S.p.A., a company founded in 1991 by the Experimental Geophysical Observatory of Trieste. The merger between the two companies in 2005 set an important milestone for GEOTEC SPA making it a main player in the provision of the complete seismic acquisition services in the Industry.

Over the last 15 years GEOTEC SPA extended its field of activity to the civil engineering sector and is actively involved in the field of geotechnical & geophysical investigation, topographical surveys, geotechnical, geometric and structural monitoring for major and minor infrastructure projects in Italy and Europe by providing Clients with a complete service from the feasibility stage, through the investigation and design phases, to the final project completion.

MISSION

Create wealth and add value by optimizing the discovery and development of natural resources, water and geological knowledge.

VISION

To be chosen by large, important groups for complex geological studies, for both mining and scientific purposes. Looking at becoming the best. strictest safety standards allow us to obtain the best sustainable performance.

VALUES

- The well-being and satisfaction of our people, their safety, enthusiasm, and social integration.
- Protection and respect for the environment.
- Innovation and development, customer satisfaction, the desire to do well.

Our passion for technical innovation and our compliance with the strictest safety standards allow us to obtain the best sustainable performance.

OUR OFFICE LOCATIONS


Geotec S.p.A.'s headquarters are located in the Molise region, in the city of Campobasso, a strategic position in central Italy.

An area of 20,000 sq. metres houses the administrative and technical offices, laboratories, a mechanical workshop and a warehouse for the storage of equipment and vehicles.




HEADQUARTERS

- **Campobasso Italy**
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 info@geotecspa.com

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BRANCHES

- **Varna/Vahrn Italy**
Via Isarco Eisackstraße, 1
- **Albania**
Rruga Abdyl Frasherit, 31 Tirana
- **British Columbia Canada**
1200 - 1075 - West Georgia Street Vancouver BC V6E3C9
- **Ontario Canada**
199 Bay Street, Suite 2200, Toronto M5L1G4
- **DGS GEOTEC MEPE - 3 Athens, Greece**
Stratigou Tombra Str. Aghia Paraskevi 153 42



PERSONNEL

1

Skills and abilities

Geotec's staff is highly qualified with many years of experience. Members of the staff include environmental engineers, building engineers, electrical and electronic engineers, geologists, architects and surveyors.

2

Skills development

Staff is fully involved in company activities and are continuously trained and updated on all aspects of their job which is aimed primarily at improving the Quality of the services provided.

3

Safety of employees

Geotec pays particular attention to the protection of workers' health and safety, through the use of preventive rather than proactive measures and by enforcing health and safety legislation. The safety of employees is very important to Geotec management.

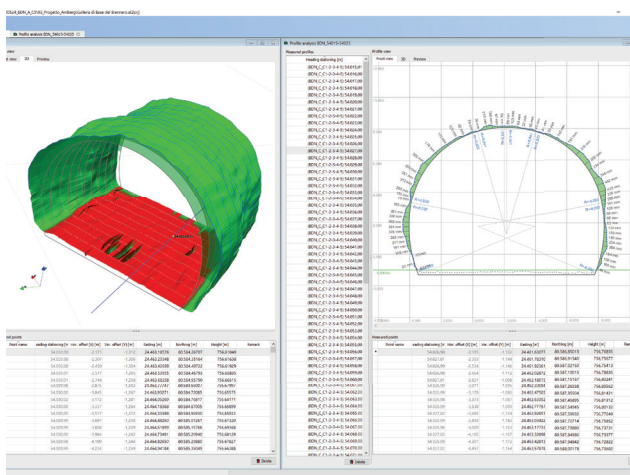
SURVEYING

Geotec S.p.A. originates as TPS in the 70's (Topografia Per Sismica) over the last 3 decades it has grown and expanded it's range of surveying services by offering seismic survey positioning, GIS asset mapping and data management for O&G projects as well as providing pre-installation surveys, structure monitoring and geodetic framing services for the civil engineering for major construction projects.

3D LASER SCANNING

Geotec S.p.A. can also supply clients with 3D Scanning services.

3D scanning is a technology that captures the shape of physical objects digitally. 3D laser scanners create "point clouds" of data from the surface of an object which are geo-referenced and geometrically correct. A vast amount of high quality data is generated in a very short period, producing in this way a high resolution survey with a lot of extra information. The accuracy of the laser together with the precision of the photographic images makes laser scanning surveys realistic and complete. 3D laser scanning technology can provide a detailed spatial representation of particularly complex objects, in unreachable and inaccessible survey locations. It is particularly useful in the survey of cultural artefacts and historical sites and buildings and in situations which would be otherwise difficult to research.



RIEGL_VZ400 Laser scanner



Z+F MAGER 5010 Laser scanner



FARO FOCUS P-150 Laser scanner

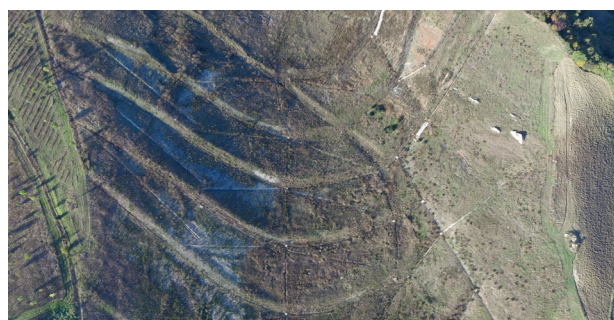


***Among the most important projects carried out by Geotec
in its experience are***

- Anas S.p.A. with about 200 architectures including viaducts and bridges surveyed, where it saw the use of this innovative technology for the detailed 3D reconstruction of the structures without design drawings.
- BBT Brenner BasisTunnel with more than 80 km of tunnel to be surveyed, one of the most important railway works in Europe.
- CONDOTTE D'ACQUA SPA a project for the construction in Algeria of a section of the new railway line, with the acquisition of some sides affected by the work and the return of a high-resolution 3D model.
- "LA SAPIENZA" University of Rome, in the scope of cultural heritage, the survey of the Farnesian Bastion of the Domus Tiberiana on the Palatine Hill was carried out for the return of sections and plans aimed at studying the safety of the structure.

DRONES

Photogrammetry is a survey technique that allows you to collect the geometric data of an object through the acquisition and analysis of stereometric frames. Through the use of dedicated software that process the images collected, our professionals are able to provide a three-dimensional model of the objects in the survey, which can be used for different purposes. Photogrammetry is therefore only a tool for surveying on several scales; topographic, planimetric, detailed, but it is also the fastest and cheapest tool for the creation of three-dimensional modeling capable of allowing any user to enjoy the asset even in a virtual perspective.





SURVEY EQUIPMENT

GPS instruments



Leica Receiver GNSS – GS10 n. 2



Leica Receiver GNSS - GS18T n.5



Leica Viva Controller CS20 n.5



Leica Viva Controller CS10/CS15 n.9/n.2



Leica Receiver GNSS - GS15 n.9

Electro - Optical instrumentation



Digital Level Leica Sprinter 50 n.2



Leica TCA2003 n.1



Leica TM50 n.1



Leica TS60 n.1

SURVEYS AND MONITORING

LAST 10 YEARS

CLIENT	PROJECT	LOCATION	YEAR
ANAS Spa	<i>The assessment of the structural safety of existing bridges, overpasses and viaducts along the Anas road and motorway network in Central Italy using Laser Scanner methodology for over 22.826 meters.</i>	Italy	2010/2011
Società Italiana per Condotte d'Acque Spa	<i>Laser Scanner services along the railway Oued/Tlelat e Tlemcen Algeria.</i>	Algeria	2011
ANAS Spa	<i>Land registration and inspection with the use of Total stations and GPS receivers of over 2500 bridges, retaining walls and drains along the roads of the ANAS road and motorway network in the Abruzzo Region Roads Department.</i>	Italy	2011/2012
RFI SPA	<i>Multiple Framework Agreements for the geotechnical and soil investigations as well as geometric surveys using Total Stations and GPS receiver units for the Italian national Railway company throughout the Italian Territory.</i>	Italy	2014/2021
BBT SE	<i>Multiyear Framework Agreement for the Geotechnical convergence and laser scanner measurements of the Isarco Undercrossing for the Brenner Base Tunnel (BBT)</i>	Italy	2016/2023
Authority for Transport in Malta	<i>3D laser scanned models in Malta and Gozo</i>	Malta	2018/2019
BBT SE	<i>Multiyear Geotechnical convergence and laser scanner measurements in the Mules Access Tunnel for the Brenner Base Tunnel (BBT)</i>	Italy	2020/2024

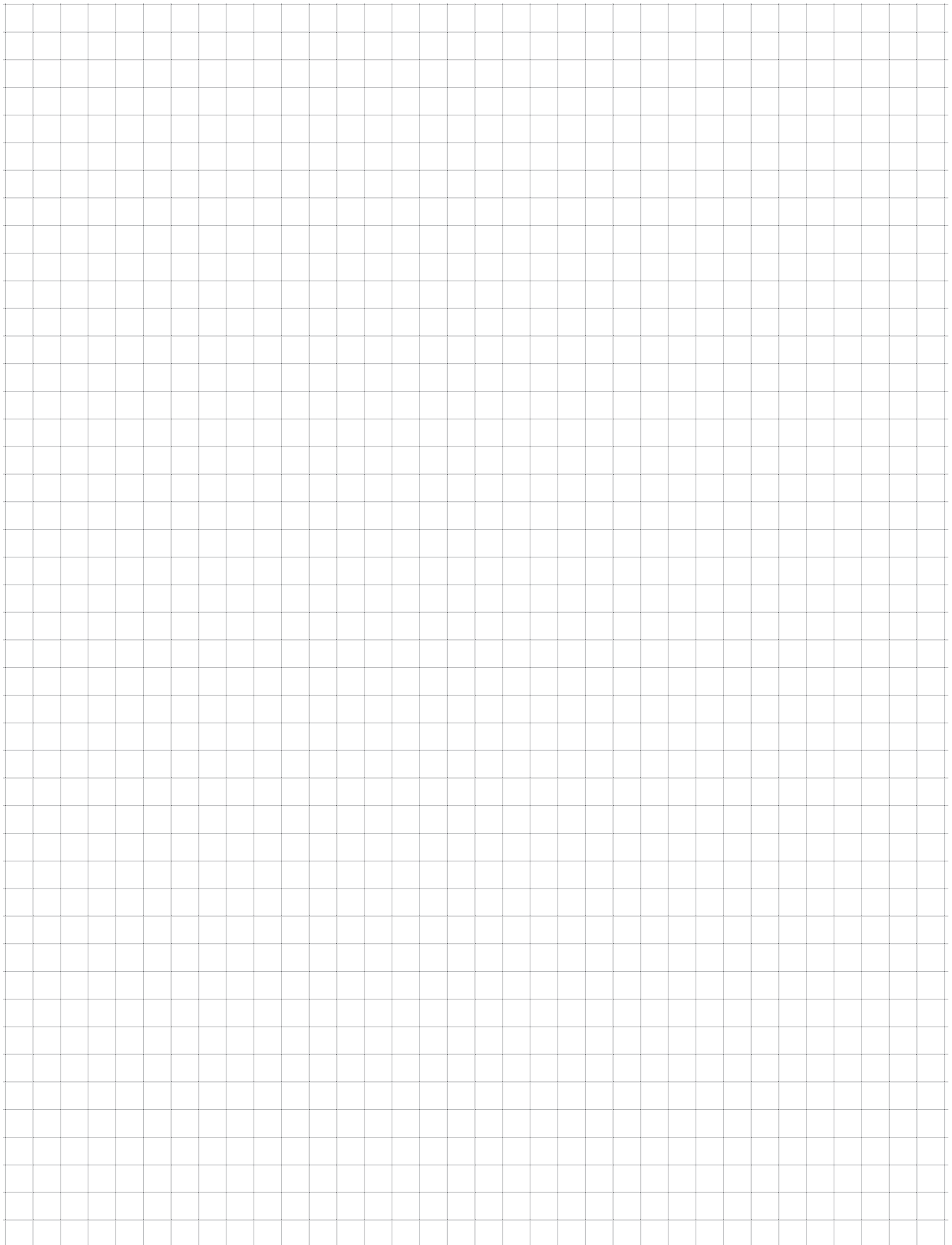
OUR CLIENTS



**società italiana
per condotte d'acqua**
Fondata il 7 aprile 1880



NOTES

A large grid of graph paper for taking notes. The grid consists of 20 columns and 40 rows of small squares. The grid is centered on the page, with a white border around it. The background of the page is light gray, and there are red geometric shapes on the left and right sides.



Get in touch.



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