



GEOTEST LTD.

TRADITION AND INNOVATION

WWW.GEOTEST.CH

GEOTEST GEOLOGY /
GEOTECHNICS / GEOPHYSICS /
ENVIRONMENT

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Trustworthy, customer-orientated, innovative and quality-conscious. That's who we are. These are our values. And have been for almost 60 years. As a full-package service provider, we not only have an eye for the big picture, but also the specific expertise to tackle complex tasks in a targeted manner and solve them efficiently.

Our geoscientific expertise, combined with experience and creativity, forms the basis of our success. Every customer has their own personal contact who can draw on the skills of an interdisciplinary team. Numerous long-standing customer relationships are evidence of our competent guidance.

We aim to evolve continuously. This is why we invest not only in the digitisation and development of our own applications, but also in the training and further education of our 190 employees throughout Switzerland and abroad. Because our tradition inspires us to progress.

Executive Board



Laurent Steidle
(Co-Vorsitz)



Daniel Tobler
(Co-Vorsitz)



Daniel Bieri



Marco Arni

Cover picture:
 Balmholz Quarry, Sundlauenen, Beatenberg (Switzerland)
 Looking towards Lake Thun and Niesen

Consultation services provided to Balmholz AG. on cantonal structural and usage planning processes, feasibility study and securing of raw materials for a quarry extension, optimisation of inert material landfill operation, spatial planning report, rock stabilisation to protect the operating area.

GEOTEST has been handling geological and geotechnical tasks for Jungfraubahn AG for decades:

Complex rock stabilisation, planning and construction supervision of tunnels, measurement of movement and temperature in rock masses.

TRUSTWORTHY

We establish trust. We use our decades of experience and broad-based expertise to identify potential hurdles at an early stage and to tackle and complete projects safely and efficiently.



Cableway project «V-Bahn» for Jungfraubahn AG and Grindelwald-Männlichen AG, Grindelwald (Switzerland)

Implementation planning, geological and geotechnical construction supervision, groundwater monitoring, monitoring of landslides, rock stabilisation, vibration measurement, environmental project supervision.



«We have been working with GEOTEST for over 45 years. When doing so, we can always expect extensive specialist knowledge and solution-orientated advice. As with any relationship, it is important that you can rely on your partner.»

Urs Kessler, CEO Jungfraubahn AG

CUSTOMER-ORIENTATED

We work to budget and to deadline, always focusing on the individual concerns of our customers. Our services range from simple expert opinions and advice, to technical expertise and interdisciplinary total solutions.



«GEOTEST's advice is competent, goal-orientated and fair. This allows us to tackle and solve complex tasks together.»

Heinz Schaub, Operations Manager,
Landfill Elbisgraben
(Cantonal Administration)



Elbisgraben Landfill, Liestal (Switzerland)

Comprehensive strategic consulting and solution of complex issues, taking into account the operational requirements: Planning and implementation of technical and structural measures such as increasing the vertical seal [photo ↑] or improved long-term behaviour of the landfill through aerobisation and optimised degassing [photo →].





«In GEOTEST we have a reliable partner who is always focused on our project-specific needs. We greatly appreciate this because it's the only way to find good solutions and implement them quickly.»

Peter Töngi, branch manager, member of the Executive Board, Eiffage Suisse AG



New residential and commercial building, Gaswerkareal Biel (Switzerland)

Total solution for the planning, tendering and implementation phases of construction. Complete package for geotechnics (ground investigation, building pit stabilisation), geology, hydrogeology (groundwater heat utilisation, water retention, seepage), investigation of contaminated sites, monitoring of vibrations.

INNOVATIVE

We are constantly investing in the development of new products and methods. This enables us to offer new, sometimes unique, solutions tailored to the specific market and customer needs.



«Digitisation is part of our everyday work. Our apps and tools help not only us but also our customers to work efficiently and effectively.»

Christoph Suter, Head of Geoinformatics,
GEOTEST LTD.

The office is always with you. With the «FeldApp», data can be validated on site. The app, which was developed by GEOTEST, helps our employees and clients capture photos, sketches, notes and measurement data. Back in the office, the data is already on the server.



QUALITY-CONSCIOUS

For 20 years we have been implementing our quality management system consistently and successfully - not only in project planning and execution, but also in dealing with customers and employees.



«Our quality standards are very high. That's why we are repeatedly checking, improving and developing our processes.»

Birgit Huber, Head of field testing and Quality
Manager, GEOTEST LTD.



AREAS OF EXPERTISE

ENVIRONMENT

- Investigation / remediation of contaminated sites
- Asbestos remediation, building pollutants
- Soil protection and improvement
- Pedological site support
- Waste management concepts
- Environmental construction supervision
- Environmental compatibility
- Due-diligence for industrial areas

EXPERT ASSESSMENTS

- Audit mandates
- Insurance reports
- Court-ordered expert reports

GEOINFORMATICS

- Desktop, web and mobile GIS
- Software development
- Spatial databases
- CAD

GEOLOGY

- Underground and tunnel mining
- Engineering geology
- Geological mapping
- Drill logs, core samples

GEOPHYSICS

- Borehole geophysics
- Geoelectrics
- Georadar
- Magnetics
- Seismics
- Thermal response test

GEOTECHNICS

- Subsoil investigation
- Ground classes, model of the subsoil
- Geotechnical construction supervision
- Excavation pit stabilisation and monitoring
- Foundation dimensioning
- Dam inspections
- Subsidence and landslide stabilisation

GEOTHERMAL ENERGY

- Groundwater heat utilisation
- Geothermal probes
- Deep geothermal systems

GROUNDWATER

- Hydrogeological surveys
- Groundwater utilisation and protection
- Construction site dewatering
- Rainwater seepage

HYDRAULIC ENGINEERING

- Flood protection
- Hydrology / hydraulics
- Bedload balancing
- Revitalisation

MEASUREMENT AND MONITORING

- Early-warning systems
- Geomonitoring / data portal
- Discharge measurements
- Groundwater monitoring
- Pore water pressure measurements
- Inclinometry
- Incremental extensometry
- Vibration measurements
- Pile integrity tests
- Plate-loading tests
- Dynamic penetration
- Ramming core sampling
- Helical auger
- Borehole camera
- Borehole backfilling inspection

MINERAL RESOURCES, LANDFILLS

- Site evaluations
- Raw material prospecting
- Mining and landfill planning
- Filling and recultivation planning
- Operational advice
- Landfill monitoring

MODELLING

- 3-D geological models
- Groundwater flow simulation
- Heat and material transport
- Thermal modelling
- Bedload transport
- Surface runoff
- Hydraulics (1D, 2D)
- Natural hazard processes (2D, 3D)
- Distortions / stability (FEM)

NATURAL HAZARDS

- Rock stability / securing
- Permafrost / glacier studies
- Avalanche reports
- Hazard analysis and mapping
- Risk and benefit-cost analysis
- Intervention planning
- Project planning for protective structures
- Alarm monitoring and safety concepts
- Spectral seismic microzoning

PROJECT DEVELOPMENT

- Process consultancy
- Authority engineering
- Overall project management

STRUCTURAL PRESERVATION

- Status assessment
- Non-destructive structural investigation
- Construction site monitoring (cracks, vibrations)

[←] Sädelgraben, Flood Protection Authority of Schangnau (Switzerland)

Event analysis of the extreme flood in 2014, hydraulic 1D and 2D modelling, risk assessment, project planning and tendering process for flood protection measures including construction supervision.

FACTS AND FIGURES

OWNERSHIP STRUCTURE

The GEOTEST LTD. executive employees own the entire share capital. There is no majority shareholding.

TURNOVER

The gross annual turnover of GEOTEST LTD. and its holdings amounts to approximately CHF 30 million.

STAFF

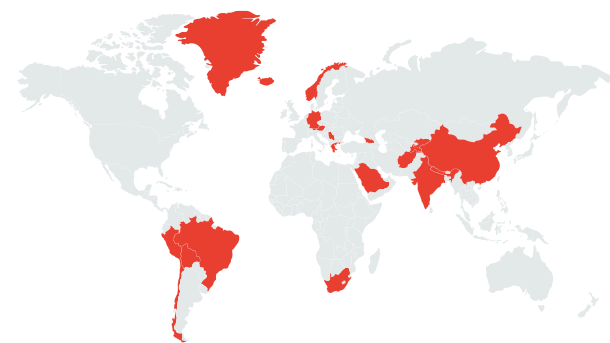
Specialist disciplines: Civil and materials engineering, geology, geography, geoinformatics, geotechnics, geophysics, environmental sciences, spatial planning, measurement technique, drawing, commercial areas, supporting and central services and IT

GEOTEST LTD. and its participating companies employ a total of 190 people; the average age is 40 years; a third of employees are women.

LOCATIONS IN SWITZERLAND



LOCATION AND PROJECTS WORLDWIDE



SUBSIDIARIES

GEOTEST LTD. owns two subsidiaries, TENSOR LTD. and TERRE LTD.

TENSOR LTD.

Tensor supports organisations in their commitment to environmental and health protection. The core competencies of TENSOR include:

- Environmental planning
- Noise assessments
- Immission forecasts
- Environmental and health protection
- Occupational safety

www.tensor.ch

TERRE LTD.

Is active in the fields of pedology and soil protection, contaminated sites and pollutants as well as geology and construction grounds:

- Soil, pollutant, groundwater and subsoil investigations
- Concepts for soil protection, material management, disposal and remediation
- Construction supervision for soil protection, environment, contaminated sites and excavation sites

www.terreag.ch

CUSTOMERS

Federal offices (Switzerland/Germany/Austria), state offices (Germany/Austria), cantonal administrations, municipalities and corporations, railway companies, mountain railways, power plant companies, industry and commerce, architecture and engineering offices, general contractors, mining companies, banks, insurance companies, real estate companies, private individuals.

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