



terrasol

2025

setec

# Geotechnical engineering with high added value

Innovative and responsible projects



**A recognised leader**

in the field of geotechnical engineering  
terrasol, supporting their clients for over 45 years

# OUR AREAS OF EXPERTISE



## GEOTECHNICAL ENGINEERING

### OUR EXPERTISE

- Engineering Geology
- Soil and rock behaviour
- Hydrogeology
- Earthworks engineering
- Soil reinforcement
- 2D/3D numerical modelling
- Soil/structure interaction
- Seismic design
- Thermomechanical models
- Risk analysis
- Materials: alteration, geomaterials, formulations
- Subsurface geophysics

### OUR SCIENTIFIC ACTIVITY

- Active participation in numerous research projects
- Author of a large number of scientific publications
- Development of new calculation methods and software
- Teaching in 18 schools



20

Articles per year

18

Schools

### OUR MISSIONS

- Consulting, expertise & diagnostics
- Management of recognition campaigns
- Feasibility studies
- Risk management
- Design, modelling, optimisation
- Project studies
- External control, visas
- Work monitoring
- Implementation studies
- Project management assistance
- Software development for clients



Quality and safety are at the heart of **terrasol's** processes, which are QSE certified.



For geotechnical engineering services provided by the Paris and Lyon offices, **terrasol** is also certified Nuclear Safety.



## SOFTWARE

Since it was founded, **terrasol** has been committed to maintaining control over its tools by developing and distributing a range of software programmes that continuously benefit from the experience gained on projects handled daily by the company's engineers.



Orbow



Talren



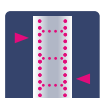
Foxta



K-Réa



Slake



Scage



Straticad



Plaxis



## TRAINING

**terrasol** has developed a comprehensive training programme covering both software use and the processing of geotechnical design problems. **terrasol** is a Qualiopi certified training organisation.

20

Teachers

50

Sessions per year

450

Engineers trained per year



La certification qualité a été délivrée au titre de la catégorie d'action suivante : ACTIONS DE FORMATION

# OUR AREAS OF ACTIVITY

## BUILDINGS & ENGINEERING STRUCTURES



**terrasol** works in partnership with project management teams and provides consulting services to companies for the design and monitoring of general earthworks projects, including soil treatment, excavation / backfilling on compressible soils, and building foundations.

## INFRASTRUCTURE TRANSPORT



**terrasol's** expertise in linear and underground projects is multidisciplinary, covering geology, execution methods, soilstructure interaction mechanisms, and assessment of induced deformations, including those at the working face.

## INDUSTRIES & ENERGIES



The foundations of these structures require stability and deformation analyses, and sometimes dynamic calculations or liquefaction studies. **terrasol** can offer optimised solutions, including reinforcement with rigid inclusions.

## MARITIME STRUCTURES & RIVER



In these projects, which most often combine retaining structures, foundations and earthworks, generally on difficult grounds, **terrasol** has the means to analyse complex soil-structure interaction mechanisms, as well as soil hydraulics, one of the fundamental aspects of these structures.

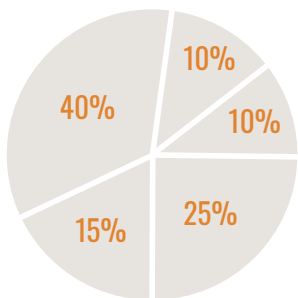
Transport infrastructure, engineering structures

Building, industry, expert assessments, etc.

Port & River

Energy & Nuclear

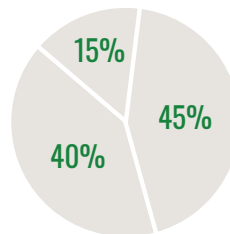
Software sales and training



### terrasol's clients

- Companies, Project owners, Industries
- Expertise, Design, Execution, Construction
- Assignments from several weeks to several months

Software sales and training



# OUR CLIENTS



In consortium with other **setec** companies

- setec tpi, setec Nucléaire, setec Internationale, setec Ferroviaire, setec ALS, etc.
- Mainly for large project management projects
- Assignments from several months to several years

# IN BRIEF



**1979**

Company founded by  
François Schlosser



**14,7 M€**

Turnover  
2024



**105**

employees including  
90 engineers



**28%**

of international activity  
in more than 25  
countries

## THE SAME VALUES SINCE THE COMPANY WAS FOUNDED

### ✓ Sharing Knowledge

We value the sharing of knowledge between generations and across disciplines in order to develop collective skills. Continuing education and mentoring are at the heart of our approach.

### ✓ Technical excellence

Each study is rigorously undertaken with curiosity and high standards to ensure reliable and innovative solutions. Continuous improvement and scientific innovation guide our daily practice.

### ✓ Culture of what is truly needed

We offer simple, effective and appropriate solutions, without unnecessary excess, combining technical performance, cost efficiency and environmental protection.

## OUR STRATEGIC DEVELOPMENT PRIORITIES

### Simplicity and Resilience of Structures

We design resource-efficient geotechnical solutions adapted to climatic hazards. The optimisation of materials and the adaptability of structures enhance the sustainability of our projects. This approach guarantees technical performance and environmental responsibility.



### International development

We are expanding our international presence by adapting our expertise to local specificities. Thanks to solid partnerships, we support a variety of projects in complex geotechnical contexts.

### Digital strategy and data

Digital tools and expertise in soil data improve the accuracy of our studies. We use field data and model geotechnical behaviour to optimise our solutions. This strategy strengthens our capacity for innovation and foresight.

## Working closely with our clients and partners

### Head Office Paris

Immeuble Central Seine  
42-52, quai de la Rapée  
75012 PARIS

### Lyon office

Immeuble le Corner  
97-101 Boulevard Vivier Merle  
69329 LYON CEDEX 03

### Bordeaux office

42-44 av. du Général Larminat  
33000 BORDEAUX

### Vitrolles office

Griffon II  
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