Geological and geotechnical studies and specifications determine the success and durability of engineering projects.

For 30 years, Egis Géotechnique has been developing experience and know-how in the fields of geology, geotechnics and materials applied to linear infrastructure and complex civil engineering works. Its staff of more than 100 people, including 75 engineers and experts, works with public and private clients both in France and worldwide. They offer specialised and turnkey services from inception to construction and subsequent operation.

Egis Géotechnique’s assets

An integrated vision of the project in order to control risks

Their historical knowledge of large-scale projects and the competence of Egis Géotechnique’s teams afford a global vision of the project from start to finish, in order to meet clients’ expectations and guarantee full control of risks, costs and time factors.

High-tech resources

Egis Géotechnique’s expertise in soil mechanics and materials engineering is reinforced by its high-tech resources in terms of calculations, instrumentation and testing:

- Specialised calculations: 3D finite element calculations for soil and rock mechanics
- Instrumentation and troubleshooting methods: all types of sensors and static and dynamic measurements
- Tests: COFRAC-certified laboratory. Soil, rock, concrete, cement and road material tests.

A multidisciplinary structure for a targeted response

Egis Géotechnique’s multidisciplinary structure provides a targeted response to every type of project, combined with a permanent quest to improve its technical, economic and environmental performance.

From inception to construction:
competence and know-how in soil & rock mechanics and materials engineering

Egis Géotechnique draws on its unique know-how of soil/structure interaction to optimise its projects.

Egis Géotechnique enhances the quality of its projects through its knowledge of materials and their properties and its technical works inspections.

Egis Géotechnique enjoys unique experience in the field of infrastructure geotechnics.

Fields
- Linear infrastructure and industrial platforms
- Quarries

Our Services
- Geology, mapping, site investigations, geotechnical profiles
- Design of earthworks (gauging and slope/phi, earthworks balance)
- Soil stabilisation
- Rock excavations, detection and treatment of underground cavities
- Regulatory permit applications

Egis Géotechnique has unique experience in the field of infrastructure geotechnics.

Fields
- Civil engineering works, underground structures, post-construction sites
- Natural hazards
- Underground water

Our Services
-Works inspections and surveys
- Instrumentation design and installation
- Measurements and interpretation
- Long-term surveillance
- Pathology analysis and innovation work

Egis Géotechnique relies on recognised expertise to ensure pertinent evaluation of structural behaviour.

Linear infrastructure earthworks and geotechnics

Foundations and retaining walls

Fields
- Infrastructure, civil engineering and industrial buildings
- Retaining walls, slopes, soil stabilization, soil reinforcement
- Foundations for civil engineering works
- retaining walls

Our Services
- Geotechnical and geotechnical forecasting models
- Design and dimensioning of structures
- Technical inspection of works
- Project Management and administration

Egis Géotechnique has unique experience in the field of infrastructure geotechnics.

Fields
- Environmental engineering and sustainable development
- Waste and polluted sites and soil
- Civil engineering structures

Our Services
- Centralised Laboratory
- More than 125 tests on all types of civil engineering materials
- Scanning electron microscope
- External Quality control and Assurance
- Documentary inspections
- Earthworks and stabilised soil field tests
- In situ validation testing
- Analysis of methods implemented
- Technical assistance and project management

Egis Géotechnique enhances the quality of its projects through its knowledge of materials and their properties and its technical works inspections.

Egis Géotechnique’s assets

A division of Egis Structures & Environnement

With 5 divisions and 500 employees, Egis Structures & Environment provides advanced expertise in the following fields:

- Egis Tunnels
- Egis Géotechnique
- Egis Environnement
- Egis Waste Management
- Egis JHS

Un underground works
Soil and materials engineering
Environmental engineering and sustainable development
Wastes and polluted sites and soil
Civil engineering structures
Egis Géotechnique participates in numerous professional groups and research projects.

- Contracting authorities, local authorities, municipalities
- Building contractors
- Industrial companies and private concessionaires
- Regional authorities

References

Egis Géotechnique is present in thirty countries on 4 continents

Road Construction: A63, AT 19, A83 motorways (France), Paléonaisa motorway (Morocco), South A63 By-Pass (Yvelines)

Instrumentation: Monitoring of civil engineering works: AREA and ADELAC road networks - Vailly, Chinese tunnels

Nuclear Power Plants: Foundations and earthworks design for EPR, DAE, Cadarache

Radioactive Waste disposal: Instrumentation, supervision of scientific works, standardisation technical agreement for the Andra Undergraund Research Laboratory (Brun - France)

Water: Development of the banks of the Upper Rhone (Plan-Alt certificate project)

Minerals: Wiski Bay (Indonesia), Komoro metals Cadarache, Zarang (Congo)

Buildings: Foundations and seismic design for ULS Studium, CHUCA, Canti, Juoda I complex

Rail: Earthworks and bridge foundations design: TL, railway line, Nice tramway, Puratos Longues (Lyon, high-speed rail line), Kanda Tanger (high-speed rail line, Morocco), SEA high-speed rail line

Quality control: External works inspections of A63 and A65 motorways (France)

Reinforcement Works: Romainville Park (underground quarries), Total Guadeloupe (soil reinforcement), Pointe du Hoc (cliff reinforcement)

Civil Engineering Foundations: SEA LGV high-speed rail bridges, Reunion Island coast road, Toulouse-Madrid (Catheterization)

Ports: Simandou (Guinea), Pointe Norden (Congo)

Retaining Walls: A41, A51, A40, A49 motorways

Research & Development: Reoperative treatment materials, First, GEOTON, REMOTE, TFREDURABLE

A recognised quality control system

All fields of competence are covered by ISO 9001 and 14001 certifications. The Bayonne Laboratory is COFRAC certified for geotechnical earthworks, aggregates, concrete and concrete tests.

Egis Géotechnique's establishments


Contact:

Egis Géotechnique
65 rue du Cis Schoeller
78180 Saint-Quentin-en-Yvelines
Tel: +33 (0)1 76 49 47 49 – Fax: +33 (0)1 76 49 44 47
email: contact.egis-geotechnique@egis.fr

Egis – a 75%/25% owned subsidiary of the French “Caisse des Dépôts” and “Iosis Partenaires” (“partner” executive and employee shareholding) – is a consulting and engineering group working in the fields of transport, urban development, construction, industry, safety engineering and energy. In the road and airport fields, the group is also involved in project financing, turnkey-contract projects and facility operation.

With 12,000 employees worldwide, 14000 engineers and a turnover of €807 million in 2011, the group is present in over 100 countries and has around 50 offices in France.

Soils and Materials Engineering

Geology and hydrogeology: Design of foundations and retaining structures

Soil/Structure interaction analysis

Geotechnics applied to earthworks

Natural hazards Geotechnics

They put their trust in us

• Contracting authorities, local authorities, municipalities
• Building contractors
• Industrial companies and private concessionaires
• Regional authorities