

GEEG

Geotechnical and Environmental
Engineering Group



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GEOTECHNICAL & ENVIRONMENTAL
ENGINEERING GROUP



Startup di:

SAPIENZA
UNIVERSITÀ DI ROMA

ABOUT US

GEEG, (Geotechnical and Environmental Engineering Group), is an innovative startup of Sapienza University of Rome, founded by professors, researchers, engineers and technicians from the Engineering Faculty specialised in applied Research and project management.



MISSION

GEEG aims to actively contribute to the scientific progress in the world of tunnels and underground excavations through activities of experimental Research and development of innovative solutions, technologies and materials.

VISION

GEEG aims to become a worldwide reference structure for geotechnical and environmental studies, experimental tests and monitoring activities on traditional and innovative materials and products in the world of tunnelling and underground works.



SERVICES

EXPERIMENTAL STUDIES ON MATERIALS AND CHEMICALS PROPERTIES

Companies and materials/chemicals suppliers interested in verifying properties of their products (i.e. foaming agents, polymers, bentonites and slurries, back-filling grouts, products and chemicals for injection, ...) in order to be used in civil engineering works can rely on **GEEG** for specific studies and experimental activities aimed at ensuring their effectiveness and environmental sustainability.

Such procedures can be performed thanks to equipment able to recreate conditions close to the site operational ones.



SERVICES

SELECTION AND DOSAGES OF MATERIALS AND CHEMICALS

Engineering companies involved in the realization of tunnels and underground works can rely on **GEEG** for the selection of products and chemicals, to modulate their use, to assess the environmental impact of the activity and to design the reuse of the excavated soil.



SERVICES

SUPPORTS FOR TECHNICAL, ADMINISTRATIVE AND ENVIRONMENTAL CONTROLS BODIES

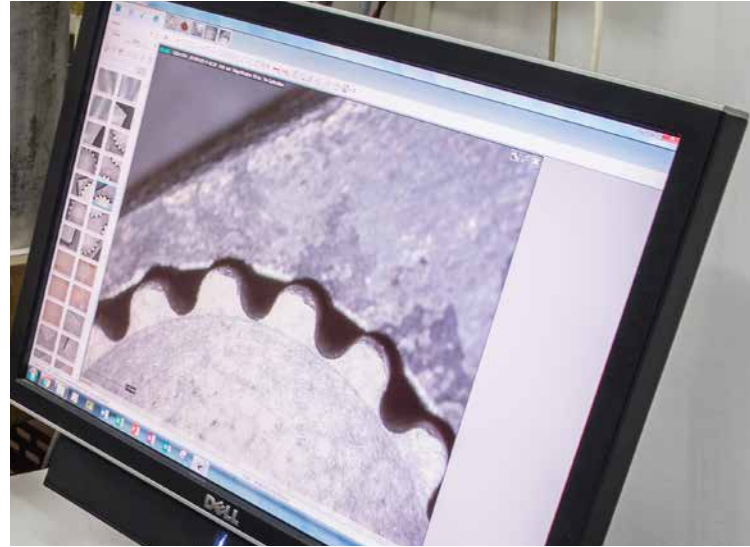
Public authorities and governative bodies responsible for approval and controls on the proper design and construction of tunnels and underground projects in compliance with national and international standards and regulations, can rely on **GEEG** for the development of experimental protocols for the management of the reuse of volumes of soil produced by excavation and for site monitoring of the disposal activities.



SERVICES

MONITORING DATA ANALYSIS

GEEG offer services of real time analysis and management of monitoring data from the excavation sites. The services include the analysis of the parameters recorded during the excavation operations, their organic elaboration, the drafting of reports, the suggestion of solutions in order to improve excavation performances and the quality of the final work.



SERVICES

DEVELOPMENT OF PROJECTS ON SOIL AND ROCKS REUSE

GEEG aims to support the development of projects on soils and rocks reuse from tunnelling and other civil engineering works.

In compliance with current national and international standards and regulations and according to specific needs, GEEG develops geotechnical, chemical and eco-toxicological research activities, the analyses of results, the drafting of related papers and the on-site control in phase of execution of the works.





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