

GEOLOGICAL

The Geology Department supports customers in the design of industrial, civil and military infrastructures. Our international team is involved in characterizing sites and their geological hazards, offering a multi-disciplinary approach capable of adapting to the needs of our customers and their projects. Our investigation methods range from naturalistic field observation to 3D modeling. Our highly qualified team provides internationally recognized expertise.

OUR SERVICES

GEOLOGICAL HAZARDS

Assessment and mapping of hazards associated with ground movements (landslides/landslides, faults, karst, liquefaction, soil erosion).

FIELD MAPPING

On a local or regional scale, for resource discovery, geological hazard identification or site characterization.

3D MODELING

Representation of geological, geotechnical and hydrogeological units. Consideration of fault planes in the representation of 3D volumes.

GIS AND DATABASE MANAGEMENT

Country-wide work for World Bank-type projects, or site-wide work to the highest standards.

FAULT STUDIES

Sedimentological, structural and geomorphological expertise. Study of geophysical profiles, field mapping, paleoseismicity trenching and characterization of active onshore and offshore faults

GALLERY AND QUARRY SURVEYS

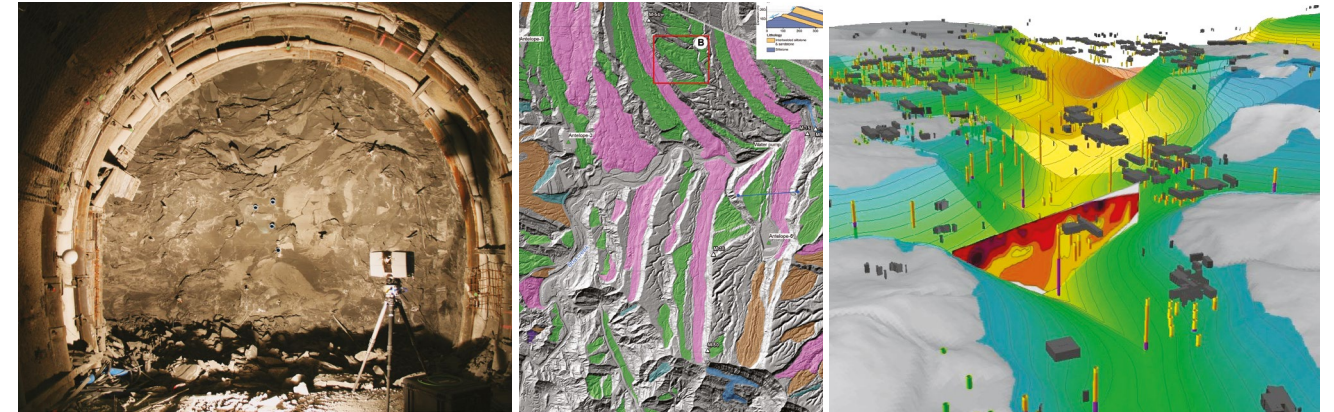
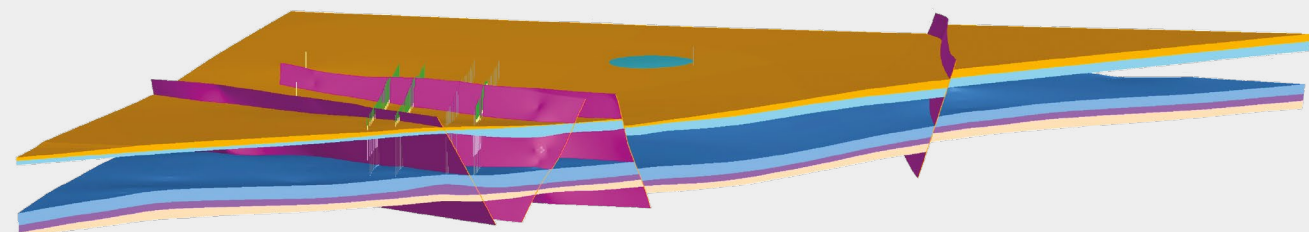
Observations, geological and structural analyses, use of 3D laser scanners and wall photogrammetry.

BOREHOLE ANALYSIS

Destructive and core drilling. Sedimentary and structural surveys, sampling and measurements.

DATA INTEGRATION

Interpretation and synthesis of geophysical, drilling and field mapping data.



AREAS OF APPLICATION

DESIGN OF INDUSTRIAL, CIVIL, AND MILITARY INFRASTRUCTURE

NUCLEAR FACILITIES, DAMS, PIPELINES, TUNNELS, ONSHORE AND OFFSHORE WIND FARMS, SURFACE AND UNDERGROUND STORAGE FACILITIES, PORT FACILITIES.

RESOURCE CHARACTERIZATION

MAPPING FOR THE SEARCH OF MATERIALS OR MINING DEPOSITS AND CHARACTERIZATION OF AQUIFER GEOMETRY.

AREAS OF EXPERTISE

A HIGHLY QUALIFIED TEAM PROVIDING SCIENTIFIC EXPERTISE IN:

STRUCTURAL GEOLOGY

SEDIMENTARY GEOLOGY

QUATERNARY GEOLOGY

GEOMORPHOLOGY

SEISMOLOGY

GEOGRAPHIC INFORMATION

OUR ADDED VALUE

RESPONSIVE EXPERIENCED EXPERTISE

A HIGHLY QUALIFIED TEAM THAT ADAPTS TO THE SPECIFIC NEEDS OF ITS CUSTOMERS.

AN INTERNATIONAL MULTI-LINGUAL TEAM

NATIVE SPEAKERS OF FRENCH, ENGLISH, ITALIAN AND ARABIC.

MULTIDISCIPLINARY APPROACH

A TEAM OF STRUCTURAL GEOLOGISTS, SEDIMENTOLOGISTS, QUATERNARY GEOLOGISTS, GEOMORPHOLOGISTS, SEISMOLOGISTS, GEOMATICIANS AND MODELLERS. COLLABORATION WITH GEOPHYSICISTS, GEOTECHNICIANS AND HYDROGEOLOGISTS FOR A COMPLETE EXPERTISE OF THE SUBSOIL AND ITS HAZARDS.

REDUCED RISKS AND UNCERTAINTIES

BETTER KNOWLEDGE OF THE SUBSOIL AND ITS HAZARDS FOR OPTIMIZED PROJECT PLANNING AND REDUCED COSTS.

REGULATION COMPLIANCE

THE ASSURANCE OF STUDIES CARRIED OUT ACCORDING TO THE INTERNATIONAL STATE OF THE ART, AND ADAPTED TO CURRENT NORMS AND STANDARDS.

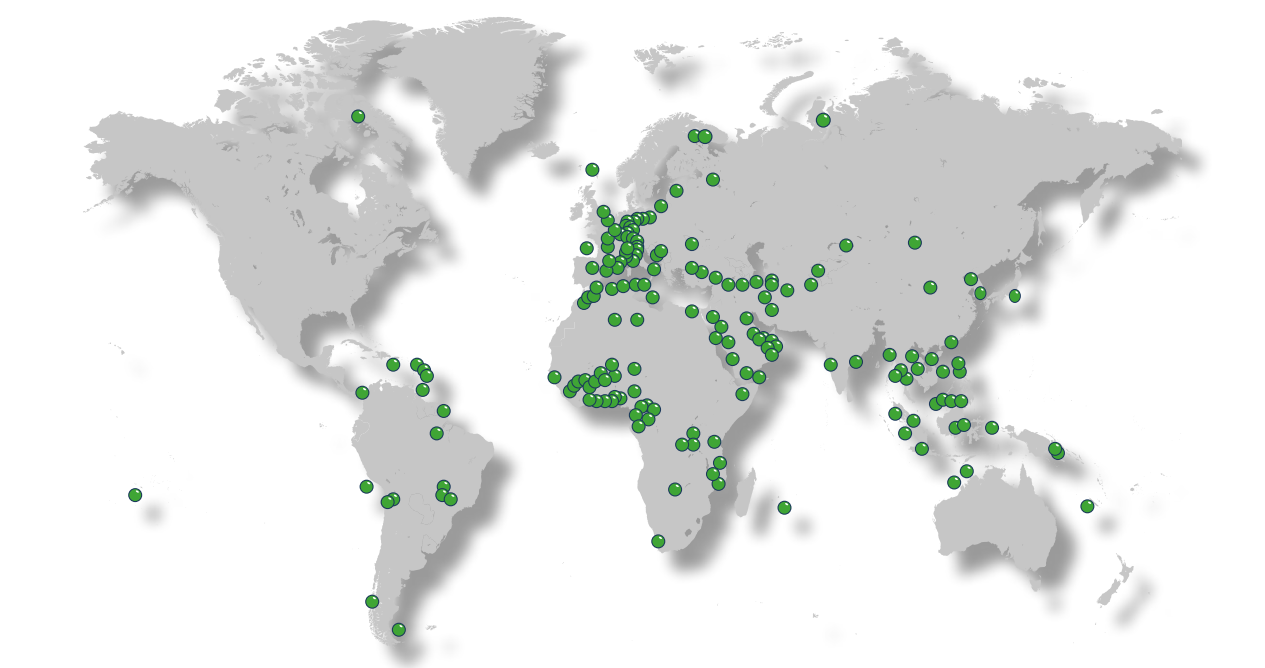




Find out more about
our services on our
website



OUR REFERENCES AROUND THE WORLD



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