



A company of the  
**LA.TE. ANDES GROUP**

## Mining Services

### PROFILE

**Technology-Based  
Company in Energy  
and Applied Science**

### DATE OF FOUNDATION

**YEAR 2003**

### APPLICATION

- Ore deposits
- Evaporite deposits and hypersaline systems

### STAFF



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**Ore deposits**



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hypersaline systems**

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## GEOMAP S.A.

GEOMAP is an international reference company in oil and gas exploration and development services in South America. Today, it is diversifying and expanding its services to the Mining sector, reconvertng and enhancing its expertise and know-how.

### Applied Solutions for MINING

GEOMAP offers Integral Services for the various stages of Mining Exploration: Prospecting, Advanced Exploration, Office Work, Logistics and Infrastructure, and professional training.

## Evaporite deposits and hypersaline systems

### ● Prospecting:

- Compilation and multivariate data analysis.
- Basin studies and generation of exploration targets.
- Surface brine sampling (auger, etc.).
- Geophysical survey: (gravimetry, magnetotellurics, etc.) design and supervision of data survey campaigns. Interpretation of results.

### ● Exploration (and Advanced Exploration) at Project scale:

- Generation of drilling targets.
- Brine sampling focused on different targets.
- Basin studies (structure, stratigraphy, chemostratigraphy, facies).
- Data compilation and analysis. Geological models, conceptual and 3D dynamic modeling.
- Geostatistics.
- Design and supervision of laboratory tests for porosity and permeability determination.
- Design and supervision of water balance studies: water point census, gauging, field evaporation tests, meteorological stations, precipitation, etc.
- Generation of digital elevation models (DEM, DTM and DSM), precision topography by drones or UAVs, using RGB photogrammetry and generation of RGB georeferenced orthophotomosaics.

### ● Drilling stage:

- Supervision of RC and DDH drilling, sampling for different purposes: brine geochemistry, porosity tests, solubility tests, evaporation tests, DLE tests, petrology, determination of clays, etc.
- Supervision of geophysical profiling.

### ● Office work:

- Preparation of thematic maps (geochemical anomalies, isoconcentrations, hydrogeological and hydraulic parameters, etc.).
- Design of sampling programs.
- Selection of chemical analysis laboratory. Definition of analysis packages. Laboratory follow-up.
- Analysis of geological/geophysical information, generation of prospectivity maps using hybrid methods (data driven/knowledge driven).
- Basin analysis. Temporal evolution (subsidence rate). Paleogeographies.
- Stratigraphic/chemostratigraphic analysis.
- Water balance studies.
- Static and dynamic numerical models.

### ● Satellite image processing

Generation of Digital Elevation Models (DEM) and precision topography by means of Drone surveying.



### • Logistics

Field support and general logistics for geological and geophysical exploration surveys, hydrological and hydrogeological measurements, water balance studies.

### • Professional training

On-site and virtual courses on general or specific topics in the mining field, requested on demand by companies or multi-companies.



### • Infrastructure

- Own building with offices and meeting room for more than 20 people for work meetings, workshops and training courses.
- State-of-the-art hardware and software applied to the mining industry, internet connection, plotter and printers.
- Own Toyota Hilux 4X4 pick-ups available for various field tasks.
- All geological equipment for the development of field tasks.

**We integrate our services to increase knowledge. We increase knowledge to reduce the risk in projects or areas of interest.**