

Mining Services

PROFILE

Productive Technology Center Innovation + Development in Energy and Applied Science

DATE OF FOUNDATION Year 2014

TECHNOLOGIES



CRON.AR Geochronology Thermochronology

ANDINO 3D Structural Modeling Software

STAFF



Lic. Roberto Hernández President, Director



General Technical Coordinator, Director

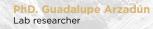
Engineer Ms. Nicolás Hernández Technical Advisor, Director



PhD. Lisbeth Benavides Cron.Ar Manager



PhD. Marcelo Arias Cron.Ar professional staff



Elizabeth Luna Lab technician

ic. Lucía Hernández Projects control Lab technician



Lab technician



Lic. Joaquín Nigro Andino 3D development

Geol. Mariano Dellmans Project control



Andino 3D testing Geol. Marcos Costilla

Andino 3D testing

Mining Advisors



eandro Echavarria Graduate in Geology PhD. in Natural Sciences Ore deposits



Pabla Tognoli

Graduate in Geology **Evaporite deposits** and hydrogeology of hypersaline systems

LA.TE. ANDES S.A.

Productive Technology Center R&D

LA.TE. ANDES is a company of international reference in geochronology and thermochronology studies, applied to the solution of geological-analytical problems in the Oil & Gas and Mining fields

Applied Solutions for MINING

LA.TE. ANDES offers state-of-the-art technology and highly trained professionals to provide the following services and products:

Cron.Ar

Geochronology

U/Pb analysis on zircons and apatites to determine:

- Crystallization age
- Maximum Depositional Age (MDA)
- Provenance. Source-to-sink analysis

Compositional analysis

Analysis by laser ablation and mass spectrometry (LA-ICP-MS) on different minerals, including zircons, apatites, epidote, chlorites, among others, obtaining in a standard way Rare Earth (LREE-HREE) and trace element content. These data can then be used for petrogenetic interpretations, as well as a guide for exploration of ore deposits (pophyries, epithermal, skarn, etc.).

Thermochronology

Fission tracks analysis on apatites and zircons to determine:

Age and cooling rate (100-300 °C) of the geological system. Allows to assess the magnitude and extension of mineralized systems. Hydrothermal system age and duration, system evolution. Uplift rate history

Analysis by (U-Th-Sm)/He in apatites and zircons to determine:

Age and cooling rate (70-185 °C) of the geological system. Allows to evaluate magnitude and extension of mineralized systems. Hydrothermal system age and duration, system evolution. Uplift rate history

Raman microspectrometry

Analysis developed for:

Characterization, identification and compositional mapping of minerals, fluid inclusions and materials in general. Identification of contaminant phases in lithium salts.

Andino 3D

Structural Modeling Software

Integration of geological and geophysical information in a three-dimensional environment in a simple way. Andino 3D 2.0 Thermal and Structural Modeling + 3D Kinematic Models + Tectonic Geomorphology Analysis.

- License sales and renewals
- Project development and data loading
 - Structural analysis and Interpretation

1 LATE Andes

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

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