



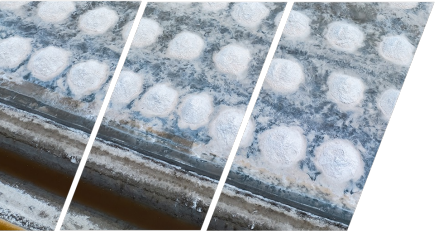
AD-INFINITUM

Electrolyte Specialists | Design, Engineering & Consultancy



What we do

Process Design



- Lithium carbonate and lithium hydroxide plants
- Direct Lithium Extraction (DLE) Plants
- Potash processing plants
- Solar evaporation ponds
- Pilot plants

Technical Supervision



- Salt harvesting and pond construction
- Technical specifications
- Contracts and bids
- Supervision and on-site accompaniment

Engineering and Process Consulting

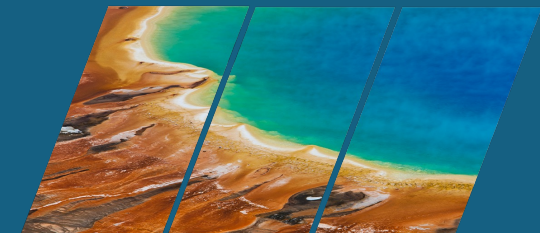


- Technical and economic evaluations
- Process and operations improvement
- Simulations: ramp-up and projections
- Investment reports: NI 43-101, JORC

Research and Development



- Laboratory, bench scale and/or pilot plant testing
- Technology evaluation
- New technology development

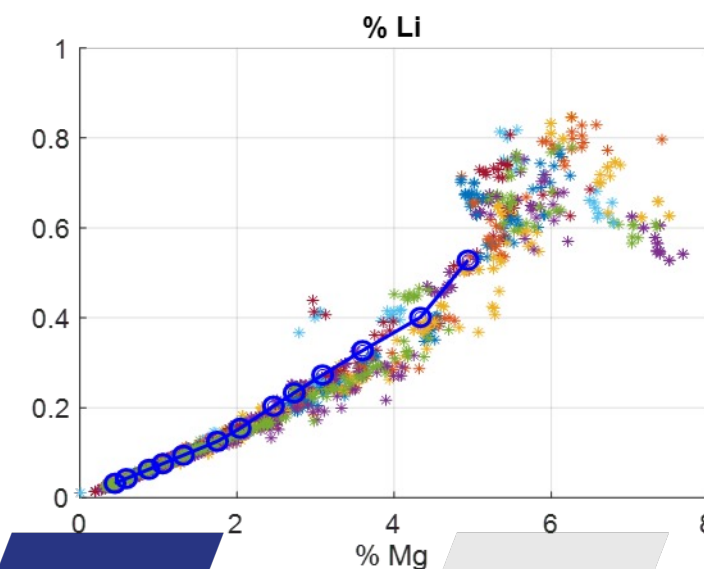
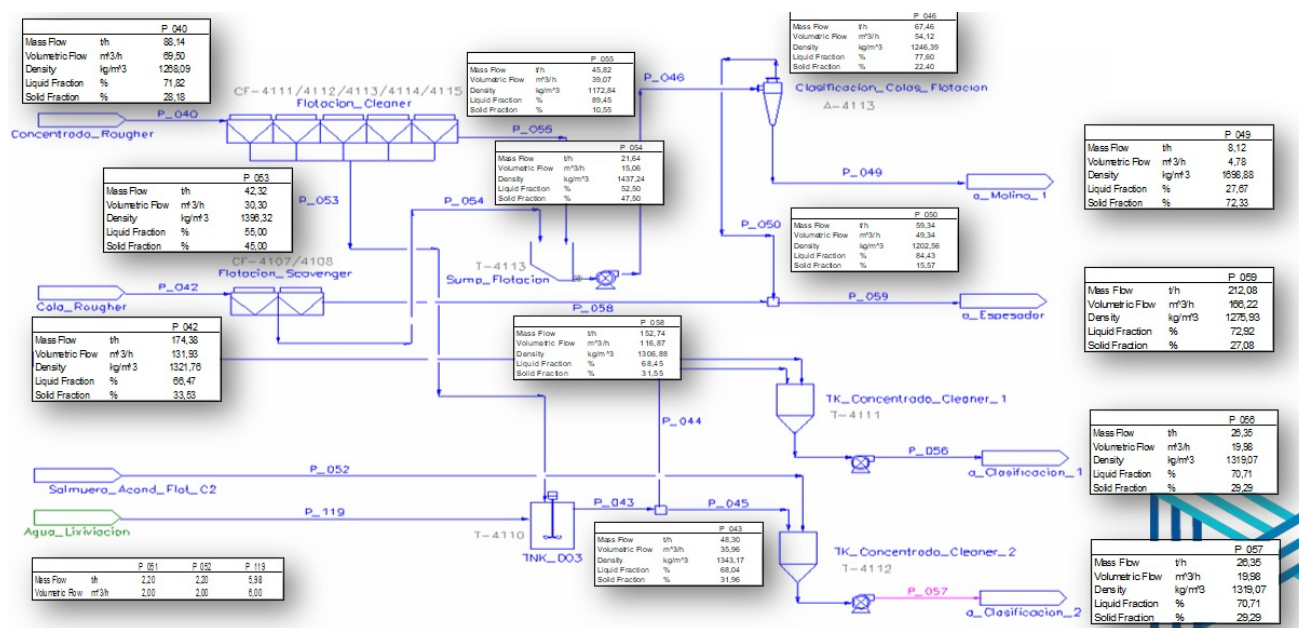


We are specialists in process engineering and electrolyte operations.

We focus on the processing of brines and minerals including lithium, potassium, sulfate and nitrates, among others. We have implemented technical solutions in more than 30 projects around the world, improving and optimizing operations from brine extraction to final product.

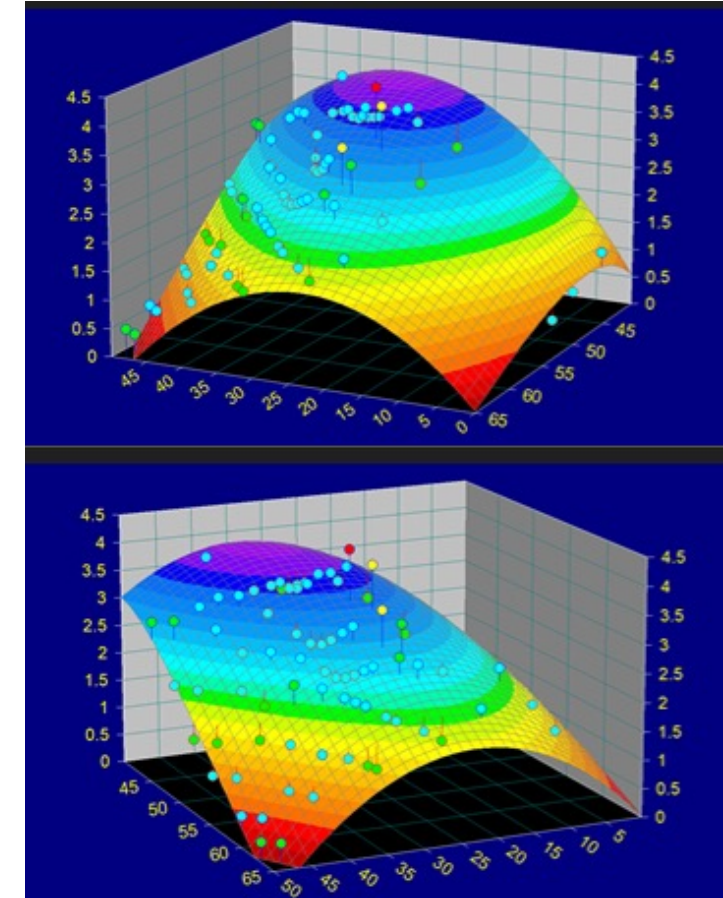
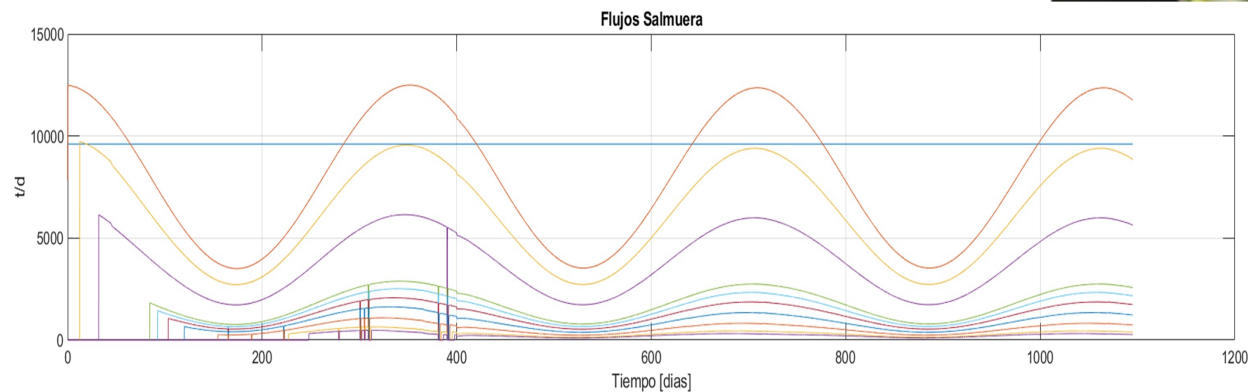
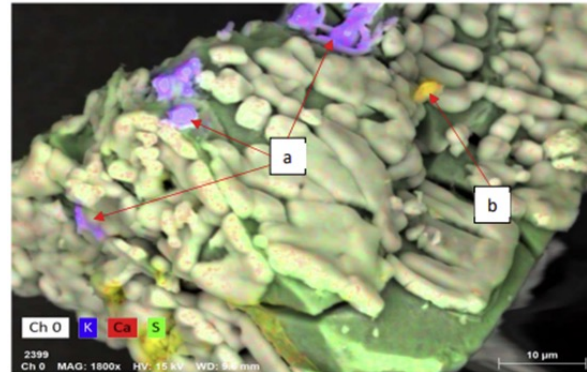
Process Design

- Lithium carbonate and lithium hydroxide plants
- Direct Lithium Extraction (DLE) Plants
- Potash processing plants
- Solar evaporation ponds
- Pilot plants



Engineering and Process Consulting

- NI-43-101 or JORC Report
- PEA-DFS
- Due Diligence
- Exploratory study
- Simulation of steady-state and dynamic industrial processes
- Process improvement and optimization
- Laboratory and bench scale tests



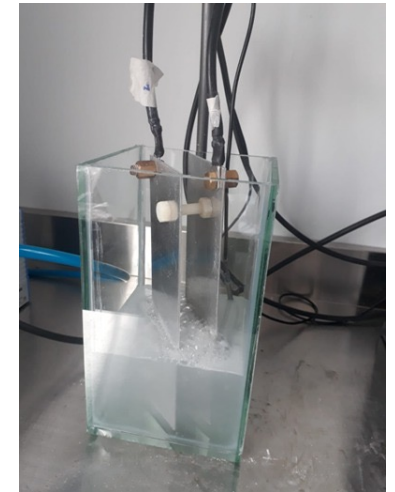
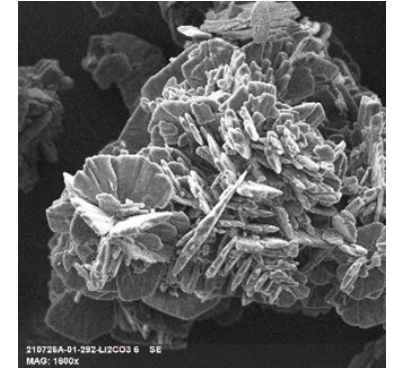
Supervision and Technical Assistance

- Supervision of Harvesting and Construction of Solar Evaporation Ponds
- Contract, Bidding, and Technical Specifications
- Quality Control and Assurance
- Technical Supervision
- Project Control
- Cost Optimization and Cost Reduction
- Operating Procedures Development



Research & Development

- Specialized team: Ph.D. engineers, chemists and process engineers
- Resin testing (DLE) at Ad Infinitem laboratory
- Development of new direct extraction technology (electrocoagulation)
- Solid lithium chloride
- Lithium sulfate process





Experience

We have extensive experience working in the field and in operations with mining companies and specialized suppliers and consultants in Chile, Argentina, Peru, Australia, Norway and Canada. We have participated in more than 30 projects related to lithium and potassium.





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Contact

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