



# Sustainable Lithium Extraction from L1X

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Main job experience: organic and industrial waste management; ferrous and non-ferrous scrap sourcing, trading, and recycling; e-waste handling, collection, treatment, and recycling; carbon footprint and energy efficiency. National Universities of Buenos Aires (UBA), San Martín (UNSAM) and UCA Professor

Partner of Grupo Ecogestionar ([www.ecogestionar.com.ar](http://www.ecogestionar.com.ar)), environmental consultant group with more than 15 years in the Argentine Market. Main services: environmental impact assessments, due diligences, energy efficiency and carbon footprint, environment management systems and ISO 14001 certification, Phase I and II Site Analysis, etc. Main clients: ARX Arcillex, Calidad Servicios Ambientales, Servicios Ambientales Neuquén, YPF, Minera Santa Cruz, Minera Aguilar, Patagonia Gold, Yacimiento Carbonífero Río Turbio.

## Key sustainability benefits exclusive to L1X Corp: Nano-membrane Extraction Technology

- Proprietary nano-membrane based technology
- Fully contained clean-tech system with no air, nor water pollution
- Innovative & efficient extraction (+98%) of Lithium molecules without external water consumption
- Delivers 100% ultra-pure water that can be reused for ongoing mining, re-injection or green hydrogen
- Eliminates long-term evaporation ponds
- Eco-liability risk eliminated/ greatly reduced
- Safe working environment
- Low thermal (65<sup>0</sup> C) driven membrane-based solutions are superior to conventional thermal distillation delivers higher separation efficiency at lower temperatures while thermal distillation fails to achieve the desired separation efficiency for South American Salar brines.