Aepnus Technology: Electrochemical Lithium Conversion (ELC)


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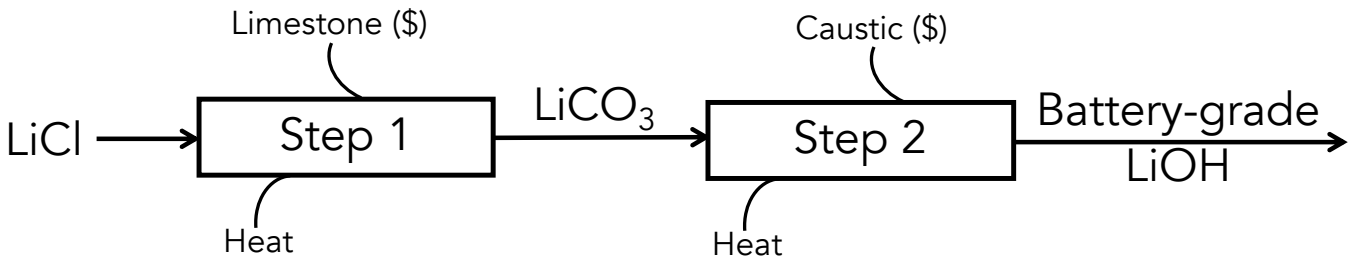
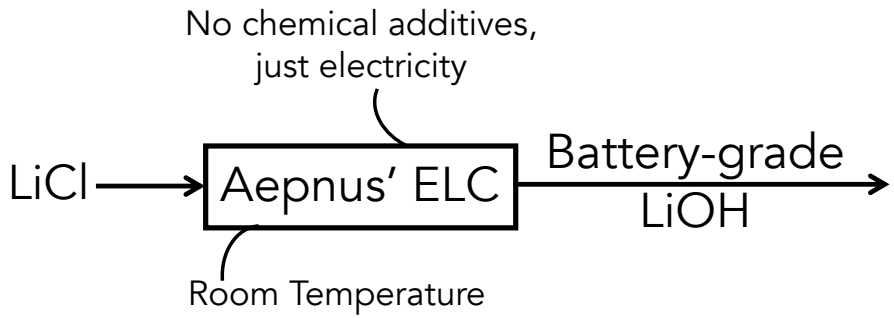
Conventional Lithium Salt Conversion Process:



Impact: Energy | Water | Emissions

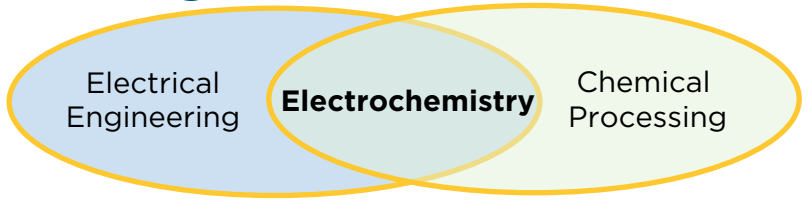
Aepnus' Electrochemical Salt Conversion Process:



Impact: Energy | Water | Emissions

*LiCl: Lithium Chloride, $LiCO_3$: Lithium Carbonate, LiOH: Lithium Hydroxide

Why Electrochemical Processing for geothermal brines?



Electrochemistry bridges the gap between electrical engineering and chemical processing. **Technological innovation** will be critical in this space to transition from existing energy and carbon intensive processes to more efficient, emissions-free, and highly cost-effective process trains that can align with the **future vision of US economy**.

Supercapacitors | **Batteries** | **Fuel Cells**

Development of energy storage technologies at the commercial scale has unlocked **advancements in electrochemical sciences**. This created an immense opportunity and push for innovation in mineral refining technologies. Aepnus Technology brings recent breakthroughs in **energy storage technology** into **mineral processing**.