

sm **SIMBOL**
materials





Simbol Overview

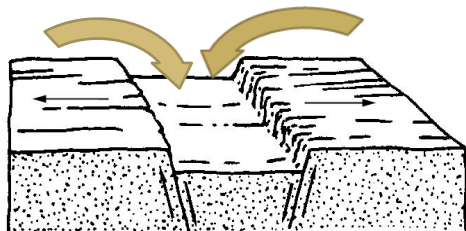
- Ability to access mineral resources like
 - Lithium, Manganese, Zinc, Potassium and others
- Proprietary extraction technologies
- Patent protected technology



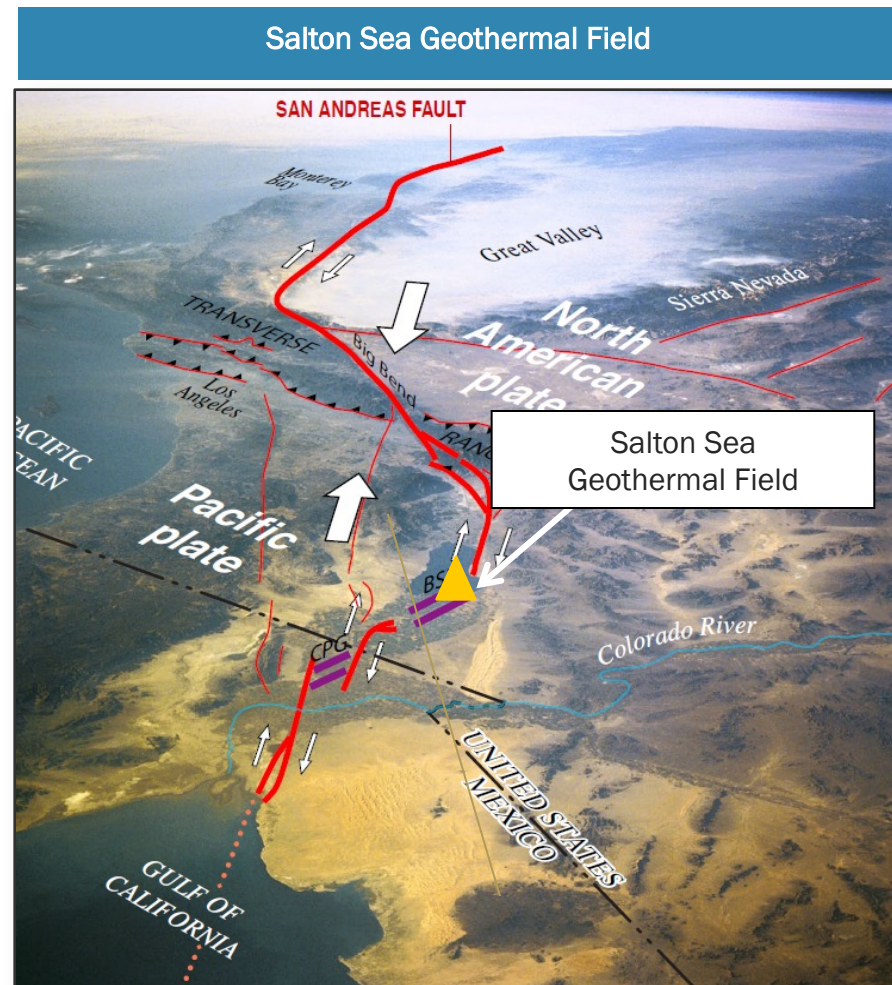
Unique geology has created an abundant source of lithium, manganese, zinc and potassium

- The Salton Sea Geothermal Field lies within the Imperial Valley and contains hot hypersaline metalliferous brines
- Magmatism from continental rifting generates high heat flow and is causing the Valley to subside
- The Colorado River filled the Valley with metal-rich sediments and created a closed-basin evaporative lake setting
- Incoming waters evaporated and deposited salts
- Hot water dissolved the salts, and leached metals from the sediments and created a pool of hypersaline brine in the subsurface
- Geothermal plants access this mineral rich resource to generate power

Metal-Rich Colorado River sediments



Imperial Valley

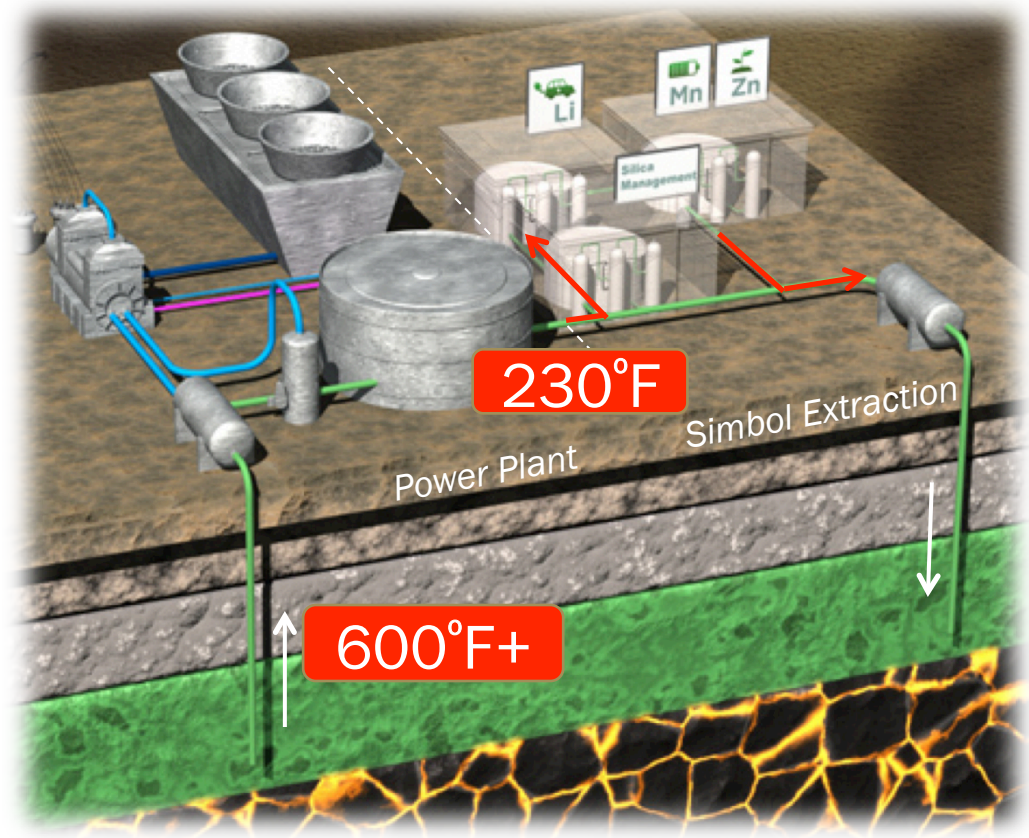




Simbol's technology is engineered so it can integrate with Geo-thermal plants

Simbol's bolt-on technology provides rapid access to lithium production from Imperial Valley brines altering the landscape of the global lithium market - all from a secure US location

- Technology can integrate into existing power plants for brine supply
- Utilizes brine post-power production for mineral extraction
- Mineral depleted brine is re-injected into existing wells
- Power plant process integration results in significant synergies





Imperial Valley Resource

- **Vast Resource** – The Salton Sea Hypersaline brine resource area contains staggering quantities of important metals
 - ~100 Million MT of Lithium Carbonate (LCE)
 - ~150 Million MT of Manganese Oxide
 - ~360 Million MT of Zinc Oxide
 - ~5 Billion MT of Potassium Chloride (potash)



Solving the Historic Scaling Problem

- Simbol has developed patented and proprietary technology that removes scaling impurities
- Photos below show the scaling problems that occur without Simbol's technologies





Summary

Contact Symbol for More Information

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