



AN AMERICAN-MADE CHALLENGE

DLE-to-ELE

Geothermal Lithium

Commercialization

Solution by PreProcess

DLE-to-Electrolysis (DLE-to-ELE)

A holistic innovation converting geothermal plant discharge to $\text{LiOH}\cdot\text{H}_2\text{O}$ addressing 5 technical challenges.

Video Link: <https://www.youtube.com/watch?v=XU6ZwTN7OUo>

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Keywords: Electrolysis, High-Capacity Low-Cost, Ultra-Pure, Combinational Cascade of Coupled Unit Operations, Oxidation, Hydrodynamic Flow Control, Self Manufacture of High-Purity HCl Chemical Engineer, Mega-Projects, Brine Chemistry, Chlor-Alkali, Sorbent, IX Resin, Ceramic Membrane, Plug and Play

San Ramon, CA 94582-3048

The project has key partners and affiliates described in the application. They include:

1. San Jose State University Chemical and Materials Engineering Department
Dr. David Wagner, Professor - University Affiliate
2. California Baptist University Gordon and Jill Bourns College of Engineering Chemical Engineering Department
3. SAMCO Technologies - Richard Posa, CEO - A Team of Teams member in the development of the commercial scale including FEL3 level engineering design, detailed design, construction, commissioning, and commercial operationalization.
4. Bodi Energy - Eric Donsky, CEO - A potential customer of the PreProcess Product Set.
5. Additional technology providers & partners are engaged as Team of Teams members