

A detailed cross-section of the Earth showing the crust, mantle, and core. A central column of molten magma is shown rising from the core towards the surface, with a red lightning bolt-like shape indicating a magma plume. The top half shows the Earth's surface with continents and oceans, while the bottom half shows the internal layers in shades of orange and red.

Sustainable Mineral Recovery

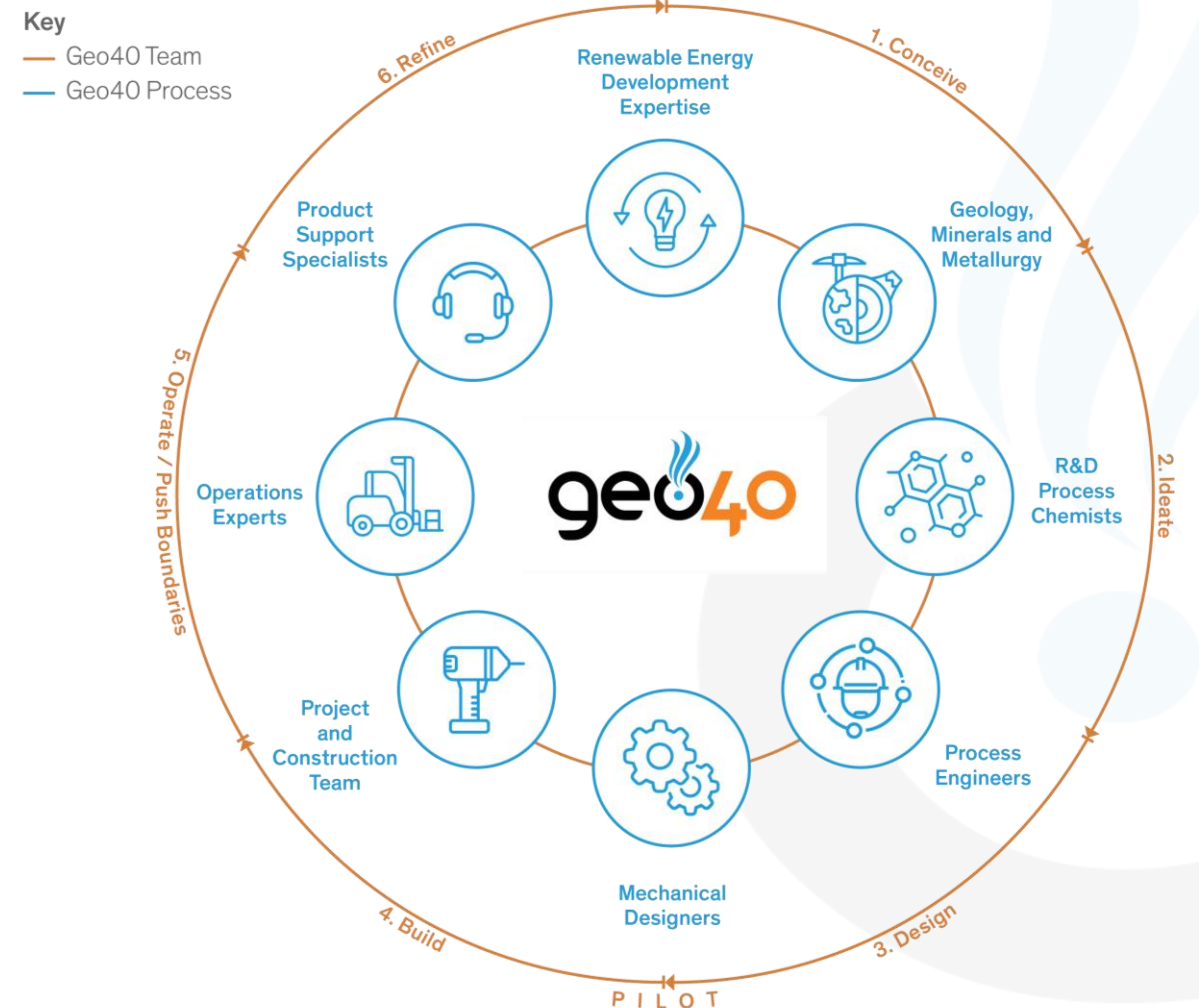
May 2020

Our Purpose

We are a team of passionate innovators developing scalable technologies to sustainably recover future minerals from geothermal fluids.

We work with trusted partners where these minerals can have maximal environmental benefits.

In all we do, we seek to build long term partnerships where value and values are genuinely shared.

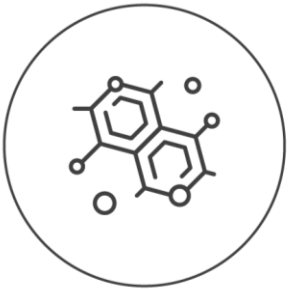


Geo40's Story

- A New Zealand start-up founded in 2010 to sustainably recover future minerals from geothermal fluids.
- First commercial size plant commissioned in early 2021, producing over 5,000 metric tonnes of high-quality customizable colloidal silica annually. Plans are in place to increase capacity in the near future.



Our Journey



Laboratory & Testing



Ohaaki Pilot (100 tpa)



Ohaaki Ngawha (500 tpa)



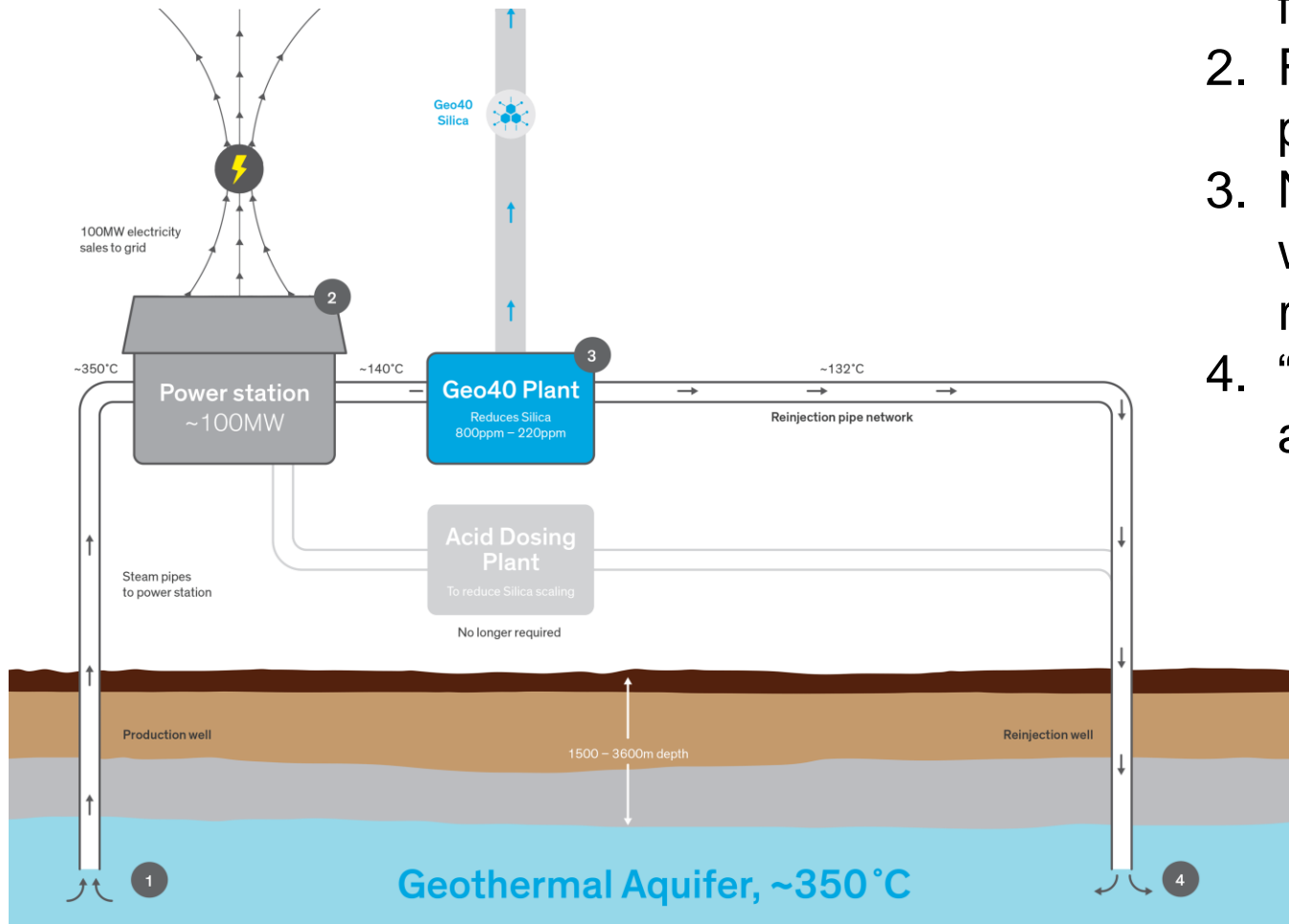
Ohaaki Northern (c5000 tpa)



Ohaaki Expansion (c5,000 tpa)



Our Process



Step-by-Step

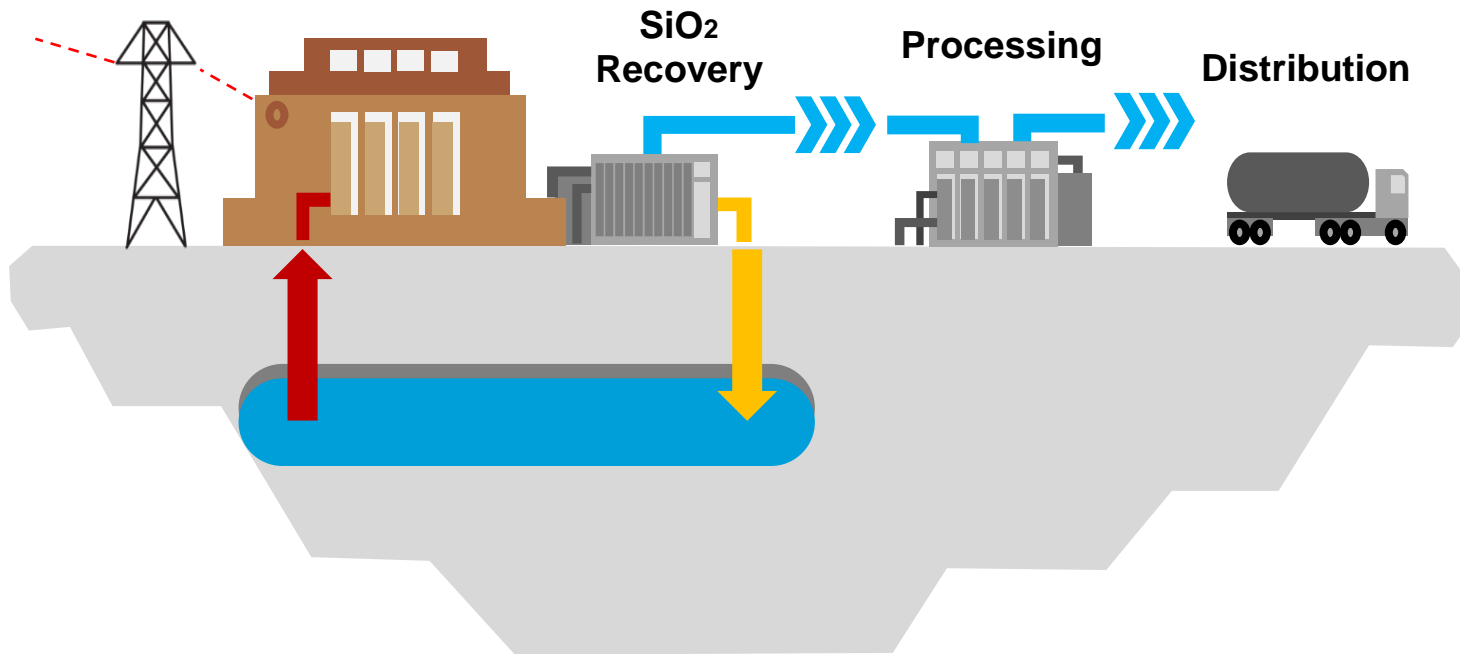
1. Geothermal fluid is pumped to the surface from a subterranean aquifer.
2. Fluid enters the power station and is processed to generate electricity.
3. Next step is on to the Geo40 recovery plant where silica & other future minerals are recovered.
4. “Cleaned” fluid is reinjected back into the aquifer.



(reduction of silica in reinjection wells is highly beneficial to geothermal power operators)

Quality Assurance

Geo40 supplies high-quality, sustainable colloidal silica solutions to our long-term valued customers. Our cutting-edge operational facilities ensure consistency and reliability. We are accomplishing global milestones with our partners to date.





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