

Minerals

Extract your
wealth



in Kawerau

We have the minerals

Welcome to Kawerau

Many of the chemical components in geothermal fluids are a potential source of valuable minerals and metals. Silica is the predominant mineral in Kawerau wells and can be used in a variety of applications ranging from rubber and plastics to pharmaceuticals and fibre-optics.

A special place that offers a unique opportunity to extract wealth from our abundant mineral resources. Together we embrace business, the environment, and the community.

Quick facts

There is an increasing worldwide interest in silica production from geothermal brines to help meet the demand for over 2.7 million kilograms of commercial grade silica per day.



**INDUSTRIAL
SYMBIOSIS**
KAWERAU



Smarter

Embrace
smarter
business



Industrial Symbiosis Kawerau is a smarter way of doing business by creating efficiencies and opportunities, while tapping into the abundant renewable resources of the region.

The growth of geothermal energy globally, combined with a greater range of commercial applications for high quality silica has renewed interest in the extraction of silica from geothermal brine.

The upside with this type of mining activity is that it is non-invasive, clean, and offers a unique opportunity.

Silica is just one of the many valuable minerals that can be extracted from the geothermal brine at Kawerau, meaning it is now possible to extract further wealth from Kawerau, while embracing smarter business.



Cleaner

Embrace
cleaner
industry



We only have one planet. Industrial Symbiosis Kawerau is the answer for contemporary organisations that wish to lower their carbon footprint, optimise resources and help make this world a better place for future generations.

Silica extraction provides an additional revenue source from geothermal brine and can help lower the cost of geothermal energy production.

Extraction from geothermal brine also offsets or eliminates the need to source applicable resources through energy intensive and environmentally damaging mining techniques.

In summary, the world's largest application of geothermal energy for direct industrial use contains precious minerals that if extracted during the geothermal process, can reduce the damage caused to the earth from mining. If we truly care about the world we leave behind, we must embrace cleaner industry.



Together

Together
we embrace
Kawerau



It takes a unique blend of factors to make industrial symbiosis a viable business model. Kawerau has everything needed for a harmonious relationship.

Kawerau offers a combination of commercial opportunities and access to an abundance of natural resources that is unrivalled in this country. When our affordable housing and enviable climate is combined with the region's unspoilt environment, it makes for a winning formula.

With the amount of geothermal brine extracted in Kawerau on a daily basis, there is no shortage of minerals to be utilised, while nearby research facilities continue to carry out innovative research that opens up exciting opportunities for adding further value to Kawerau's mineral extraction potential.

We have the resources, the environment, the expertise, and the support.

Together, we embrace Kawerau.

Did you know? At a recovery rate of 57%, it is estimated the combined silica recovery from all wells at Kawerau could be as high as 13,000 tonnes annually.

embrace



INDUSTRIAL SYMBIOSIS
KAWERAU

change