



# Lithium pro energy New Zealand

Can New Zealand extract lithium from a geothermal liquid?

The New Zealand government invested in a sustainable technology that extracts lithium from a geothermal liquid. Geo40, a company that developed lithium-extraction technology, has received a \$15 million grant from the government for its silica extraction business in 2019.

Can New Zealand become a global leader in lithium technology?

“This is a game-changing programme of work. If we can successfully build up Geo40's green technology to commercial scale, New Zealand could become an international leader in technology for the sustainable supply of lithium, and help to build lasting action on climate change.

Can a New Zealand Company extract lithium from electric vehicle batteries?

A New Zealand company has successfully developed an environmentally-friendly way of extracting lithium, a valuable metal vital in building electric vehicle batteries. Geo40's Ohaaki Northern Silica Plant near Taupo

Does New Zealand have a lithium mine?

In fact, New Zealand has lithium deposits in the clays around Taupo and in hard rock along the West Coast of the South Island (as shown by a GNS survey in 2018), but mining these deposits would risk great environmental damage. The Geo40 approach of extracting lithium from geothermal brines is far more sustainable and less invasive.

Will government invest in geothermal lithium?

A geothermal lithium firm has attracted a plan for government investment into a new method to harvesting the metal, which is essential for many technologies. Economic and Regional Development Minister Stuart Nash announced the new Regional Strategic Partnership Fund (RSPF) will invest an equity stake of \$2 million in the company, Geo40.

Is lithium New Zealand's 'white gold'?

Silica has to be removed first before lithium in the brine can be extracted. Stuff reports that Economic and Regional Development Minister Stuart Nash describes lithium as New Zealand's "white gold", and the government's investment can help the company scale up its lithium recovery technology to meet future demands (Martin, 2022). Nash says:

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The New Zealand government will invest an equity stake of NZD 2 million (approx. USD 1.35 million) to scale up the lithium production technology of the Geo40. This company is currently extracting silica from the geothermal ...

Nash says the technology has the potential to strengthen New Zealand's geothermal energy and advanced manufacturing sectors, and contribute to a lower-carbon future.

New Zealand-based Geo40 has been successful in extracting near battery-grade lithium from geothermal brine at its silica extraction demonstration plant at the Ohaaki ...

Extracting raw materials for new technology like electric vehicles can take a terrible toll on the environment. So New Zealand company Geo40 has developed a process for sourcing strategic...

New Zealand-based Geo40 has been successful in extracting near battery-grade lithium from geothermal brine at its silica extraction demonstration plant at the Ohaaki geothermal power plant near Taupo, New Zealand.

New Zealand's commitment to creating a lower carbon future has been given a boost with the Government providing \$2 million from the new Regional Strategic Partnership Fund to develop world-leading lithium recovery technology near Taupo.

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Lithium, normally mined, is used for lithium ion batteries in EVs and will be provided from a \$20 million commercial scale mineral extraction plant being built at Contact Energy's Ohaaki geothermal field south of Rotorua, which Geo40 hails as a world first.

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